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ON

AGRICULTURE, HORTICULTURE,

RURAL AND DOMESTIC ECONOMY,

AND

INTERNAL IMPROVEMENTS:

WITH

ILLUSTRATIVE ENGRAVINGS AND THE PRICES OF COUNTRY PRODUCE.

JOHN S. SKINNER, EDITOR.

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AMERICAN FARMER.

ECONOMY, INTERNAL IMPROVEMENTS, PRICES CURRENT.

"O fortunatos nimium sua si bona norint "Agricolas.".....Virg.

Vol. VIII.

BALTIMORE, FRIDAY MARCH 24, 1826.

No. 1.

AGRICULTURE.

SCIENTIFIC MEMORANDA—APPLICABLE TO RURAL ECONOMY.

(Continued from p. 411, of last vol.)

Smut.

In lately travelling through a part of New York, I learnt, to my astonishment, that in one of the best wheat towns in Schoharie county, the crop was injured from ten to twenty-five per cent. by smut, and that the farmers knew of no method to prevent the disease. From reading the experiments of scientific men, and from practical knowledge, I know that smut is easily prevented, by salt and lime, or by the latter alone, if properly applied.

The French chemists have multiplied experiments upon this subject; and perhaps there is no school of science, which has devoted more time to improve come to more correct conclusions. I am going to

prove effectual.

philosophers, to proceed from microscopie grains, value of the agrostis family, particularly florin, for or atoms of black dust, which germinate, reproduce, winter pasture. And hence by feeding close in authemsclves, and take possession of the ear. In the Bibpossess advantages over the method generally pursued. These directions enjoin, that in order to dessown, 6 or 7 gallons of water must be employed for 42 bushels of seed, and from 2 lb. 6 to 2 lb. 10 oz. of quick-lime, according as its quality is more or less caustic, or to the greater or less degree of smut in the grain. Boil a part of the water, and slake the lime with it, after which add the remainder of the water. The heat of the whole of the liquid ought to be such as we can with difficulty bear the hand in it. Then gently pour the lime water upon the grain, placed in a tub, stirring it without ceasing, a first with a flat stick, and afterwards with a shovel. The liquor should at first be three or four fingers breadth over the level of the wheat. Leave the grain to soak 24 hours, turning it five or six times, when it may be sown.

Grain limed by immersion does not incommode the sower, like that which is limed in the ordinary way. It adheres like a varnish to the surface of the grain; its germination is quicker, and, as it carries with it moisture enough to develope the embryo, the wheat will not suffer for want of rain; insects will not attack it, as they cannot bear the acid taste of

Independent of the benefit of lime steeps in preventing smut, there will be found, in the 3d volume of the Memoirs of the Board of Agriculture of the state of New York, some eogent reasons for believ-

To obtain good timber.

this means the alburnum is converted into wood. London's Ency. of Gar. 174.

No. 1. - VOL. 8.

It is the sap in the alburnum, or white wood, which causes timber, rapidly to decay. The sap contains saccharine matter, acids and mucilage which ferment with heat, and bring on a decompothin, so that when taken out and exposed to the sun. it is more readily expelled. In the process of charring, the moisture is expelled; and not only this, but the coal (carbon) protects the timber from moisture. air and heat, the great agents in the process of putrefaction. Charred wood is said to have been taken out of the ground at Constantinople, in a sound state, which had lain there seven hundred years.

In grasses, as well as in perennial trees and shrubs there is more soluble matter in winter than in sumagriculture than that of France, and none which have mer, and its specific gravity is greater in consequence of the economy of nature, which lays up nustate the French process for preventing smut, and tritive matter for the wants of the plant in spring I pledge myself, that, if correctly followed, it will Davy, 223. The nutritive matter of the grasses is laid up in the joints; and consequently those havin, This disease is proved, by French and English most joints are most nutritive. Hence the peculiar liotheque Physico Economique, particular directions their natural food, and they do not rise so vigorous-are given for steeping the seed, which I am satisfied by in spring as when not fed. Although the stalk be annual, the influence of moisture and heat soften it in spring, and carry the nutriment to the crown; or, troy the gum of smut in the seed intended to be decomposing upon the surface, it is carried to the roots through the soil.

The Air

Is the receptacle, as well as the source, of all sublunary forms, the great mass or chaos which imparts or receives them. 'The atmosphere which surrounds our earth contains a mixture of all the active volatile parts of all vegetables, minerals and animals. Whatever perspires, corrupts or exhales, impregnates the air, which, being acted upon by the solar fire, produces within itself all sorts of chemical operations,-dispensing again those salts and spirits, in new generations, which it had received from putrefactions. The air, therefore, is an active mass, composed of numberless different principles, the general source of corruption and generation, in which the seeds of things seem to be latent, ready to appear and produce their own kind whenever they light upon a proper matrix.—Bishop Berkley, Gcor. Ess. vol. 1, p. 348.

Agricultural Statistics of the county of Essex, Eng-

The general average of rents according to Vancouver, is 14s. 6d. per aere (about \$3,25,) though some of the meadows are as high as 50s. (more than ing, that it is equally efficacious in preventing the \$\frac{11.}{950,000}\$ acres. The total rents paid by the farmers to the landlords is about one million pounds sterling (\$4,444,000.) The tithes amount to 4s. 9d. on Bark the tree the year before it is cut down. By the acre, or 225.625L in the county (\$1,001,775.) The poor rates in 1800, were supposed to amount to half a million:-or

936,320, according to Young, 225,625, Tithes. Poor rates, 500,000,

-1,661,945l, which divided sition of the wood. By the process recommended, by the number of acres, (942,720,) gives, as the the moisture is exhausted without fermentation, and average charge upon the lands, for rents, tithes and the pores of the alburnum convect and harden. Soaking boards and timber in water renders the sap gross, \$7,379,035. The capital employed is from 5l. to 101. the acre, (\$22 to \$41,) and yet the farmer's profits, from the improved mude of cultivation, were greater in 1805 than when the expenses were much

less.—See Young's Survey of Essex, vol. 1.

Our farmers complain of hard times. Let them reflect upon the preceding facts and be silent. They have no proctors to harass them for tithes. They have no purse-proud landlords to oppress them for rent, and their poor rates are comparatively tri-fling. Well might they complain if they had to pay annually, beyond their present burthens, seven hundred dollars for every hundred acres they occupied. And yet British farmers, from the wonderful influence of industry, economy and system, are not only enabled to do this, but to lay up handsome profits.
It should at least admonish us, that our system of arming is a very defective one; and stimulate us, if we are too old to learn ourselves, to place in the hands of our sons, the means of becoming wiser than their fathers. And let them begin the good work by subscribing for your Farmer.

Of England.

John Clark, in his work in favor of free trade, calculates the capital necessary for British farming as follows: For corn lands from 5l. to 15l.—average 61. per acre. Total for corn lands 90 millions. Pasture at a medium of 5l.—100 millions, and 10 millions for mountain pasture. Total farming capital 200 millions. One half of the British population employed in agriculture.

Produce.

Corn and pulse, - -70,000,000 All other products, -85,000,000 -155,000,000.

Distribution.

Rent, 40,000,000 Poor rates and other rates and tithes, 10,000,000 Farm labor, 40,000,000 Maintenance of horses, 15,000,000 Manures, 10.000.000 Support of stock, 20,000,000 Interest and profit, 20,000,000

--155,000,000. [Edin. Farm. Mag. 1821, p. 83. Of Norfolk.

Norfolk contains 1,094,400 acres. The soils are, omitting fractions, light sands 140,000, good sands 269,000, marsh-land clay 38,000, various loams 576,000, rich loam 94,000, peat 52,000. Lands valucd at from 10 to 50l. or from 44 to 220 dollars per

Memorandum from Young's Survey of Norfolk. Smut.

It is a remark of many of the Norfolk farmers, that old wheat, sown, never produces smut. Steeping in brine, and drying with fresh slacked lime, is considered an effectual preventive.—p. 299.—An evidence that smut is propagated by seed, the vegetating principle of which is destroyed by age, or

Roots.

Mr. Thurtel, has traced the fibres of the roots of wheat five feet deep, on the side of a marl pit, and bank, and a dead bush sence on the top. the root of a turnip two feet and a half in a light soil—p. 299. The roots of most or all plants penetrate as deep as the soil is tilled; and as their extremities are the mouths which convey food to the plant, the policy of deep ploughing seems to be im-plied upon all soils which will admit of it, for the double purpose of placing the food where it is most wanted, and where moisture most abounds to digest it, and to counteract the effects of drought.

A good maxim.

Never take two crops of white corn in succession. Mr. Young thinks the preeminence of Norfolk husbandry is principally owing to a strict adherence to this maxim-p. 364.

Arable System.

not the least doubt, that tillage, well managed, would support as much live stock, on the seeds, turnips and straw, as the same land would do all under grass; consequently the corn is all gain to the public. I am certain, says he, it would He spoke of pasture that would support two bullocks of 40 stone pecks of seed sown to the acre.

Generally sown upon clover lays. Average product 6\(\frac{3}{2} \) coombs, or 27 bushels. From 10 to 12 pecks of seed sown to the acre. on the acre-p. 367.

Summer Fallows,

Were common 30 years ago, and seeds (grass) were then left three years. Now (1805) no such thing as summer fallows are known, and seeds are left but two years. The number of horses is lessened, ploughings are not so frequent; often but one for barley, and some trust to mere scarifying turnips preceding this crop, and have succeeded well. These and other improvements have increased farm profits one fourth to one third-p. 367.

Plantations.

2,123,000-Mr. Bevan, 90,000-p. 382.

Marl

If in small quantity it is often repeated. 70 loads the grass is heavy and much lodged it is believed the 10—p. 402. The soil is generally a sand, and the when the grass is lighter to that of six in the day.

The machine has been much simplified in its control of the machine has be it, and improves its capacity for holding water for struction, and the diameter of the cutting wheet has

Mildew.

Fallowed wheat is more subject to mildew than that sown upon clover lay; dunged more than undunged.—Young's Essex. The latter, at least, is apparent to every observing farmer. The reasons have been explained in preceding memoranda.

Shrinkage of Grain.

May 20 per cent.

Rents.

Light sands 6s. loams 16s. better sand 12s. rich loam 26s. marshy clay 28s. per acre, average.

Tithes.

General average 4s. 9d. per acre.

Poor Rates.

5s. 6d. in the pound.

Fences.

A ditch 4 feet wide, 3 deep, the quicks laid in the

Summer Fallowing

Takes place only on strong, wet or clayey soils.

Turnips.

Their cultivation is universal, on all soils, as the basis of a course. They are uniformly manured, and followed by barley. The ground is generally ploughed 4 times for turnips.

Produces from 5 to 12 coombs, or 20 to 48 bushels per acre.

Grass Seeds

Are uniformly sown with barley when that follows turnips. Red clover preferred, if the land is not tired of it, at the rate of 12 lbs. Dutch clover, tre-Mr. Birkham asserted it as a fact, of which he had foil, rye grass and cocks foot (orchard grass) substituted occasionally.

Wheat.

Three and four bushels sown on an acre, produce bushels per acre.

Peas.

Sow from 2 to 4 bushels. Produce 24 to 56.

GRAIN AND GRASS CUTTING MACHINE BY HORSE POWER.

Jeremiah Bailey, begs leave to state to farmers. his belief, that the machine which he has invented, Mr. Cooke planted, in 20 years, 718 acres of (and devoted many years of his life to the improveforest trees of various kinds, to the number of ment of,) is now as worthy of their attention as any 2,123,000—Mr. Bevan, 90,000—p. 382. est and most expeditious mode of cutting grain and grasses. A comparative estimate has been made of Is applied at the rate of 20 to 100 loads per acre. its performance with that of manual labour. When will suffice for 15 or 16 years, sometimes for 30 or machine will be equal to the labour of twelve men.

The machine has been much simplified in its conbeen increased from 5 feet 6 inches to 7 feet, which gives it a decided advantage in cutting both grain and grass, as its performance is in proportion to the diameter and the distance it progresses in a given time. Farmers are respectfully invited to view this machine, at Daniel Buckley's, Esq. Pequa township, Lancaster county, Penn; Edward Duffield and Samuel Newbold, Moreland township, Philadelphia county (who have had a machine in use for three township, Philadelphia county; Clayton and New-

with much satisfaction, the operation of the mowing were fixed and permanent residents, whereas the

machine invented and patented by Jeremiah Bailey, of Chester county, on a timothy field of Edward Luffield, Esq., do hereby certify that the cutting was clear and uniform, and the swathe handsomely laid over with great expedition, we doubt not at the rate of six acres per day. We consider it as one of the most complete and useful labour saving machines for agricultural uses hitherto invented, and have no doubt its power may be equally well applied to the cutting of any grain crops which could be cradled.

W. J. MILLER, R. M. LEWIS, LAURENCE LEWIS.

Philadelphia county, July, 1825.

The subscribers have no hesitation in stating to farmers and the public generally, that we have had the Mowing Machine, invented by Jeremiah Bailey, in use for three years for mowing our grass crops; he this season has adapted it to cutting and laying in regular swathe, both wheat and oats, which adds very much to the value of the machine, and from our experience we recommend it to the attention of farmers as a valuable labour saving machine where the land is properly prepared for its use.

EDWARD DUFFIELD,

SAMUEL NEWBOLD.

Moreland township, Philadelphia a county, September 13th, 1825.

We, the undersigned inhabitants of Byberry and Moreland, in Philadelphia county, having seen the operations of Jeremiah Bailcy's Patent Mowing Machine, in this neighbourhood, do certify as our opinion, that it fully answers the purposes intended. sometimes 100, but on an average from 44 to 46 both for grass and grain; the former, though lodged or bent down by wind or rain, is cut without difficulty, and nearly as fast as when standing upright, and the latter from an experiment made on wheat, we have seen not only cut clean, but laid in swatbe so straight and even that it might be raked and bound as readily as if cut by the best cradle or sickle. We recommend it to the attention of farmers as a valuable improvement.

THORNTON WALTON,
JAMES THORNTON,

CYRUS PEIRCE, JOHN CORNLY JOSIAH WALTON, JAMES WALTON.

8th mo. 19th, 1825.

We, the subscribers, having seen the above mentioned machine in operation in cutting grass, do fully concur in the above statement, from the accounts we had of its operation in cutting grain, have no doubt of its answering a very good purpose.

NATHANIEL RICHARDSON, JR. JOSHUA GILBERT, JR. JAMES BONNER, JNO. P. TOWNSEND, JAMES TOWNSEND.

INVERNESS-SHIRE FARMING SOCIETY.

SIR JOHN SINCLAIR, in a late address to the In-Grain stacked till April sustained a loss of nearly years) where information can be obtained, also, at verness-shire Farming Society, on the agricultural 55 per cent.—Farm. Mag. viii. 26. I have found Clayton Newbold's and John Black's, Upper state of the country, stated "his deep conviction" Springfield township, Burlington county, New Jerthat Indian corn loses by shrinkage from October to Springfield township, Burlington county, New Jerthat Indian corn loses by shrinkage from October to Springfield township, Burlington county, New Jerthat the greatest exertions would soon become negative descriptions. Orders directed to Edmund Kinsey, Moreland cessary, to prevent the Agricultural Interests from suffering as great, if not greater distresses than those Cure for Hoven.

Train oil, in a dose of one pint to a cow, has been found to give relief in cases of hoven. It is also given to cattle choaked with turnips.—Ib. 28. Lord Somerville recommends salt for the hoven in sheep. will show the opinion of respectable and practical them, formed the most numerous, and he believed, farmers and others, as to the utility of this machine, were by far the most valuable part of the communiv. Their interests, therefore, were to be protected, We the subscribers, having this day witnessed, in preference to those of every other class They

manufacturing and commercial classes were of a transitory nature. They were frequently emigrating to foreign states, and the connexions they formed with other nations, necessarily rendered them ter, chiefly on straw. These particulars," says the less anxious to promote the interests of their own author, "prove that I have not dealt in romance, country. That Dr. Adam Smith, the first of political authors, had ably inculcated the doctrine, that wealth obtained from manufactures or commerce, was of little permanent utility, unless when realized in the improvement and cultivation of the soil.

"That if we wished to be either safe at home, or respected abroad, and above all to maintain our military same and character, it was our bounden du- 478. ty, not only to protect our agriculture to its present extent, but to augment, by an increased cultivation of waste lands, the numbers employed in that branch of industry. That those who work in manufactures, however useful in other respects, are, in general, but little capable of undergoing the fatigues of warfare. Whereas those who have been bred to a country life, have both strength of body and firmness of mind, to carry them through the toils and dangers of war, without inconvenience or distress.

"That now a new competitor for supplying us with Corn is likely to arise, namely, the Pacha of Egypt. That he had already sent immense quanfits of which he had been enabled to bring the unfortunate inhabitants of Greece to the brink of ruin. that might be imposed upon it, there are no bounds to the mischiefs it would occasion. That Egypt formerly maintained eight millions of inhabitants; and, besides, with its surplus produce, fed Rome and Italy. There are now in it only four millions of people; hence, were the irrigation of the Nile restored to its former state of perfection (which, with the aid of European engineers, might soon be accomplished,) Egypt with its double crops every year, and with so cheap a mode of raising Gram, might furnish our commercial specolators with Wheat, at so low a rate, that our British husbandmen, who must follow a more operose, and a more expensive mode of cultivation, could never rival or resist. Hence an adultional argument arises for adhering to the principle of exclusion."

THE SUFFOLK COW.

The Suffolk Cow, says an Essex farmer, though small in bulk-she seldom exceeding, when well tends to verify their statement;

some other parts of the kingdom; and this induced number, is between 7,000 and 8,000 quarters.

gallons of milk a-day. These Cows were kept on ty, except in some districts of Scotland, Ireland, and only three acres of grass, without any change of the West of England, where the reports of it are pasturage, till after mowing time, and, in the winwhen I have spoken of the Suffolk breed; and shew that this poor-looking mongrel animal is, generally, preferable for the pail, to the large Holderness Cow, one of which would have consumed all the food of the above three Cows, without returning half their if we except Liverpool and Glasgow, we believe the produce; or to the fine Lancashire breed, that sells country generally to be in a similar situation. The for such enormous prices."-Appendix of vol. 4, page

AVERAGE ANNUAL IMPORTATION OF GRAIN IN LONDON

[To a table of the average annual importation in the port of London for the last 16 years, of wheat, flour, barley, malt, oats, beans, peas and linseedthe following remarks are appended by the Editor of the Farmer's Chronicle, in a late number of that Journal-they may be of use to the growers and dealers in these articles in the United States.]

It will be seen from the above statement that the supply of wheat to the London market in the course tities of Cotton to the British market, with the pro- of last year, was about 173,000 quarters short of the annual average supply of the previous 16 years; whereas that of flour has exceeded the average of That he next intends to supply us with Silk; but if the last 12 years by nearly 120,000 sacks. In the his Corn were admissible, however high the duty year ending Michaelmas, 1822, there was a larger arrival of British wheat into the port of London than in any previous year; since then, however, the supplies have been gradually diminishing, although the intermediate crops are allowed to have been abundant, and the stock of old wheat remaining at the close of the season, when the new crop came to hand, was probably never less:—indeed, with the exception of the foreign wheat lately made free, we may fairly say it was nearly exhausted; and, conceiving every place in the United Kingdom to be supplied, according to their wants, nearly in the same ratio as London, we may draw the conclusion, that the consumption is rapidly overtaking the production; and the gradual advance in the price of wheat within the last few years seems to

The crop of wheat this year in the United Kingdom is considered a full average, both in quantity and quality; yet it is thought the produce in some of the principal districts in England, such as Essex, fattened, 75 stones of 8lbs., and is not of the most out the reports we had of it a month or six weeks inviting appearance-is an invaluable acquisition ago; and even with favourable prospects for the

more favourable; the quality, however, varies considerably, some of the samples being thin and light, while others are as fine as we ever remember. An unprecedently large consumption of this article is expected this season, from the reduction which takes place in the duty on British spirits.

There is no stock of old oats in granary here; and oats were much injured by the excessive heat during the summer; and this crop is reported to be considerably short of an average. The deficiency in the potato crop will cause an additional consumption of the article both in Scotland and Ireland, and consequently leave those countries less to spare for this and other English markets, which in a material degree depend on them for their supplies.

As the out crop in the neighbouring counties is very defective, they will probably take a considerable quantity from this market in the course of the scason, and it is calculated that a supply of about one million quarters into the port of London will be required before another harvest, to meet the demand; however, as we can scarcely expect such a supply from our own crop, it appears likely we must look to the continent to make up the deficiency.

Beans and peas, like other spring crops, suffered most materially from the drought during summer, and are very defective in quantity in England; but towards the north, and in Scotland, they have succeeded much better. The old stocks are uncommonly small, so that it is expected this kind of grain will bear a high value throughout the season.

Rapeseed is the most defective crop in quantity that we have had in this country for many years.

THE ADVANTAGES OF FALLOW-CROPS OVER SUMMER-FALLOWS

By James Spenny, of Monroe.

To JESSE BUEL, Esq.

Dear Sir-In answer to your circular, I would observe, that I should not have presumed to furnish matter for a volume of the Memoirs of the Board, had it not been asserted, that "any facts, however simple, would be considered valuable.3

I have carefully watched the progress of improvement in agriculture, in order to derive benefit from Suffolk, Norfolk, and Lincolnshire, will not bear any system of cultivation, new and useful, which might be proposed. Although many improvements in the business of husbandry have been suggested, to a dairy. Cows of this breed, though so small, next harvest, we do not look for any material de-which would no doubt be of advantage to the farm-generally give, after they have had their second cline in prices, excepting what may be caused by a ing interest, were they reduced to practice, yet I calf, if fairly treated as to keep, on the average, 62 temporary excess in the supplies during the winter shall speak of but one, which I consider the most gallons of milk per day, from the time their calf and spring months. It is probable, that long before prominent, and that deserving the greatest attenceses to suck them, till they become dry; and in we can reap another crop, this article will recover tion; and which, if generally introduced, would save the year 1823, I knew a Suffolk Cow that gave, on any thing it may have lost in value; and with a protection of this state, annually, many millions. the average, for five months, something more than tracted harvest next season, it may be doubted if I mean the introduction of fallow crops, and the nine gallons of milk per day. These quantities, our crop of wheat will be found more than sufficient and particularly the quantity last mentioned, appear for the consumption; for with bad weather during prodigiously great to come from so small an aniinal; but the following extract from Foung's Farfor the ensuing crop, prices are likely to run up veoats, pcas, barley and potatoes, may be raised on
mer's Tour, which was published in the year 1771,
ry high, even so much so as to open the ports. The green sward, well ploughed, either in the fall or Canada wheat that has arrived under the late Act spring, and rolled with a heavy roller, with less ex-"In several parts of the preceding minutes," says of Parliament, and admitted for consumption, on pense in labour, and double the nett profits, than Mr. Young, "particularly in those of Suffolk, men-payment of 5s, per quarter duty, is of ordinary qua- on stubble land; that the expense of tending a corn tion is made of Cows often giving 8 gallons of milk hty, and most of it in bad condition. The quantity crop, on ground of that description, and thus manaper day. This fact is thought very improbable in arrived, as has already been stated in a previous gcd, would be less than the expense of summer-fallowing; and that good or poor land would not be me, on all occasions that offered, to make minute Although the supply of barley last year exceeded exhausted as much in growing most of the above inquiries into the product of Cows. I can piedge the annual average importation for the preceding crops, with the sod under, unmolested and unexpomyself for the accuracy of the following statement:

12 years, by about 8,000 quarters, still it is consised, while rotting, as it would be in receiving two dered the stock of old barley, both here and or three ploughings, while in a partial state of decalf, the property of the Rev. Mr. Aspin, of Cockthroughout the country, was never more nearly excomposition, in the heat of summer, exposed to the field, in Suffolk, yielded, from Junc to December, hausted at the close of any season than last; and old influence of the sun, rains and winds. The first ex1770, 63 slhs. of butter, the old Cows giving, for malt is also comparatively scarce. The new crop periment I made of this kind, was a crop of com, some time in the height of the season, each eight of barley is considered under an average in quantion a stiff sward of spear grass, ploughed in the fall.

and well harrowed in the spring, without rolling. dener; and it is one which, in my mind, conclusively own fields and woods. The insects found in these My crop was 72 bushels to the acre, worth 50 cents destroys so much of Mr. Worth's hypothesis, as reper bushel—Nett profits, \$23.30 per acre. The gards the cause of the tumor. The cherry and plum ground was well ploughed once next spring, and are incident to a disease called the gum, which is besowed to peas: crop, 32 bushels per acre, worth lieved to be an exudation of the elaborated sap of the \$1.00 per bushel—Nett profits, \$25.10. The peas tree, caused by bruises and insects. This is corredivere harvested early in September, and the grounding, and by wasting the vegetable blood, is prejudiwell ploughed once, and sowed to wheat: crop. 34 cial to the health of the tree; but is accompanied by fruit, is not the cause of the tumor on the plum and bushels to the acre—Nett profits, \$22.90 to the acre. Nett profits in three years, \$71.30. I have this year raised corn on land adjoining, and of a similar soil is obstructed in its natural course, it causes a tumor and sod, (the soil is what farmers call a sandy loam,) or swelling in the wood, often of great dimensions, both be amply rewarded for our labours, and the managed in the same way, save only the crop was as is instanced in the black ash, oaks, elm, apple, &c. but once hoed: (wet weather prevented:) crop, 100 and it is to this anomaly in vegetable development, bushels to the acre. No manure was used; and not that the far-famed town of Suffield is indebted for so much labour in tending, as stubble land would have required. In the same field, I sowed 60 roods wooden dishes. But the tumor of the plum and of ground to flax, and harrowed it in well on the sod. The crop grew well, and was the best I have ever raised on any ground. It fell down, and I pulled it while in blossom; after which I ploughed the ground once, and sowed turnips. The turnips are very fine, and promise a good crop.

Henrietta, Monroe co. Oct. 18, 1824.

ROTATION OF CROPS.

Virginia, March 10, 1826.

The writer of this communication, was honoured in some small degree, with an acquaintance with our Washington; and, among other items in our several conversations, Farmer Washington submitted several propositions as to the proper number, or divisions of lands, for a complete rotation of crops, applicable to his native state. From 7 to 5 divisions, seemed to have been the numbers contemplated: the latter was then preferred. Numberless have been my experiments since; whilst, ultimately, five are unquestionably preferred. It remains, therefore, for any one to adopt the system or not; or to discover a better course than, No. 1, corn, 2, wheat, 3, barley, 4, clover, 5, clover; and repeat the cycle, according to varying circumstances and peculiar fitness of soil. Your respectful

FRIEND.

POTATOES.

Mr. Walker, of Fermoy, has successfully practised a new and extraordinary mode of cultivating potatoes. It is well known to farmers that potatoes in pits-the general mode of keeping them in this nucleus, which is from an inch to an inch and a country, till they are wanted for use, throw out a great number of shoots in the Spring. From some of these shoots, in the beginning of last April, Mr. scnting the appearance of a small bunch of moss. Walker cut as many knots or joints as they affordthat been occasioned, like that of the stem of the
d, and planted them in drills in his garden, as if
they were cuttings of the potato itself, or skillanes,
eggs in the tender shoot; for if it is cut open about as they are provincially termed. The stalks from these joints appeared in due time, were of uncommon size and luxuriance, and preserved their verdure to a late period of the scason. The crop was dug out a few days since, and was very productive. a species of Cynips, that lances its piercer into the of those noted. This was the second experiment of the kind which heart of the bud while yet tender, and penetrates Scions for en Mr. Walker has tried, and he is so well satisfied with their result, that he intends to cultivate an acre in the same manner next year; to the whole process of which he will invite the attention of the neighbouring farmers as publicly as possible.

HORTICULTURE.

PLUM AND MORELLO CHERRY-AGAIN.

In reply to Mr. Worth, No. 48, v. 7, I will remark, what before escaped my recollection; that the extravasated sap of the plum and cherry, even from the immature fruit, at least on exposure to the oxy-

a depression of the diseased bark,—never by a cherry. If our controversy shall induce more carewoody excrescence. When the sap of some trees ful observation, and lead to a discovery of the incherry is a gangrene, which soon crumbles into a black powder, and if not removed, poisons and destroys the tree, root and branch.

Although Mr W. professedly abandons scoring as a preventative, he dwells upon its benefits with much stress. The bark of the tree subserves the logue, are all grafted or inoculated, and form a sesame purpose as the skin of the animal; and it is lection of a large proportion of the choicest kinds conceded by naturalists, that both are capable of propagated in this country, many of which have been distention, without injury, to any extent required described in a treatise entitled "A view of the culby healthful vigour. Instead of aiding nature, by tivation of Fruit Trees," &c. published by Mathew endeavoring to improve upon her laws, we are too Carey and Son. of Philadelphia, 1817, written by apt to mar her works by officiousness. So far as William Coxe. Esq. of this place, to whose extenmy recollection serves me, Mr. Worth's remark, sive orchards the proprietor is indebted for the opthat seedlings are exempt from the tumor, is liable portunity of examining many of the kinds of fruit to exceptions; for I think it is indiscriminately found now offered, nearly all of which he has been enabled upon seedlings, sprouts and succors, -the only dif- to identify to his satisfaction, and presents them to ference being, that the most thrifty and tender the public in confidence of their correctness, growth, being the most easily punctured by the insect, is most frequently the subject of attack. To der of ripening according to season. this fact I intend to direct my particular attention.

ration. There is often found on a species of the be pointed out. thistle, Carduus pratensis, an egg shaped swelling, nearly two inches in length and one across. If this to carefully, and without avoidable delay, bunch is cut open in the month of August, it will be found to contain several large white maggots. It half in diameter, is covered with a long and winged shag, first of a green, and then of a purple color, pre-

The reader will not fail to mark the strong analogy between the preceding case, and that of the plum and cherry The bud is often similarly affected by with its saw into the very pith; injecting at the same parts, and changes their color. The extravasated siderable number of juice flows round the egg, and is there accumulated the present season. and converted into a sort of spongy lump, which vegetates and augments till it forms what is called a the nursery mark; as trees are taken from the nurgall. Hence the gall upon some species of the oak sery, a label is affixed to each kind, marked with and upon the Salix helix, or rose willow. A similar the number attached to its proper name. puncture of the leaf of a species of the oak, produces the Aleppo galls of commerce, which afford futation of the exploded doctrine, that trees remov-

swellings and excrescences cannot all be a consequence of the disease, because in many cases the tu-

mors are indurated, particularly their outer surface. In one particular I am disposed to agree with Mr. Worth, viz. that the insect found by Professor Peck, and described as that which punctures the young ful observation, and lead to a discovery of the insect which is the cause of the mischief, we shall public somewhat benefitted. .dlbany, March 9.

CATALOGUE OF FRUIT AND ORNAMEN-TAL TREES AND PLANTS,

Cultivated by Daniel Smith, Burlington, N. J. to which is added Observations, S.c. on their treatment and culture.

The fruit trees enumerated in the following cata-

The various kinds of fruit are arranged in the or-

When trees are wanted for exportation, they can We have cases analogous, in phytography, to the be packed in the most approved manner, either in one I assume, of excrescenses upon the branches, mats or boxes, safely conveyed to Philadelphia, and buds and leaves of vegetables, caused by the punc-delivered agreeably to direction, for which reasonture of insects,—but none that I know of where the poison injected is so subtle as in that under conside-quested, they will be shipped to any port that may

Letters sent by mail or otherwise, will be attended

Orders may be left with Benjamin Smith, No. 277, Walnut street; with Daniel B. Smith, druggist, corhas consequently been occasioned by the puncture of the parent insect depositing its eggs. A peculiar knot or bunch is also found upon the dog-rose. The nucleus, which is from an inch to an inch and a Frankford street, New York; Sinclair & Moore, seedsmen, Baltimore; George Drinker, merchant, Alexandria, D. C. and Robert J. Smith, bookseller, Richmond, Virginia; from either of whom catalogues

It is desirable, that when orders for trees are sent from a distance, payment should be made at Philathe month of August, it is found to contain insects. delphia when the trees are shipped, or that some

responsible person there be referred to.
The prices of trees and plants, will be found at the head of each respective list, with the exception

Scions for engrafting, will be furnished for 25 cts. per dozen, if less than one dozen of a kind is wanttime a drop of the corroding liquor contained in its cd, the price will be three cents each. Grape cutbag, and then laying its egg. The bud being thus tings will also be furnished at 37½ cents per dozen, wounded, and the juices corrupted by the injected if less than one dozen is wanted, 4 cents each will ed, the price will be three cents each. Grape cutpoison, the circulation is not only impeded, but a be charged: Grapes, however, being but a recent fermentation is induced, which burns the contiguous appendage to this establishment, cuttings of a con-parts, and changes their color. The extravasated siderable number of the kinds cannot be furnished

The number on the right of each name denotes

gen of the atmosphere, is uniformly a gum, a vegetable oxide, and never a spongy tumor. This is a phiThese analogous cases are cited from Loudon. They so well as when taken from one also poor; this preTosophic truth within the observation of every garmight be multiplied by instances drawn from our judice has lost much of its influence with our en

importance, that trees should be healthy and vigorous before transplanting, to thrive well afterwards, and can it be an objection, though removed into a noorer soil? The subject is treated with great per spicuity by the celebrated English writer, Marshall, and his conclusions are clear and satisfying, he re-lates instances falling under his own notice, which go far to prove that the prejudice is not well founded.
The kinds marked thus * will not be ready until

the fall of 1826.

Apples at 183 cents, ripen in July.

White Junating, No. 25; Margaret, or red Junating, 59; Summer Rose, 68. Large early yellow Bough, 31; Large yellow Harvest, 16; Early Sweet Redstreak, 112.

In August.

Scales's large summer Redstreak, No. 37; English Nousuch, 74; Summer Queen, 5; Large English Codling, 23; Summer Pearmain, 38, Maiden's Blush, 33; Double Howeving Chinese Apple, very beautiful, at 25 cents. 97; Siberian Ctab, (for preserving.) 90; Red and Green Sweeting, 15; Hagloe (fine large red Summer,) 71.

In September.

Large Fall or Holland Pippin, No. 18; Marriot's or Royal Pearmain, 72; Fania Gusta, from Cyprus, choice of the vernal season for transplanting trees, 52; Rambo, Romanite, or Seek-no-farther, 50; Monstrous Pippin, 17; Drap d'Or, 42; Trenton early become the season most generally adopted, for en-Red Streak, 115; Large American spiced Crab, (for preserving,) 132; Rambour d'ete, 83.

In October and November.

Cat-Head, No. 114; Catlin, or Gregson, an admired table and cider fruit of Maryland, 49; Roseau D'Automne, 107; Corlies's Sweet, 101; Taylor's or Freehold Red-Streak, 110; Red Doctor, or Dewit Apple, 24; Metuisee, or French Crab, 109; Carroll's Striped, 102; Barnes' Fancy, 13t; American Nonparcil, 60; Pompion, 91; Monstrous Bellflower, 129.

From November to January.

New England Seek-no-farther, No. 80; English Golden Pippin, 19; Reinette Grise, 7; Winter Pearmain, 62; Newark yellow, or French Pippin, 11; Domine, 54; Brownite, 46; White Doctor, 22; Surprise, yellow without and red within, 95; Craam, 76; Red Sweet Pippin, 73; Rambour Franche, 125; Federal Pearmain, 101; White Calville, 6; Quince Apple, 61.

From December to February.

Bellflower, much admired table fruit, No. 26; Morgan, pleasant table fruit, ripens early and keeps late, 36; Wine Apple, do. 30; Gulden Lady, 121; Reinette Franche, 89; Woolman's long Pippin, 92; Granny Winkle, 85; Dumpling Apple, 123; *Alex ander, a new Russian apple, very large and of great celebrity, 139; Fearn's English Pippin, 134; Golden, or Ruckman's Pearmain, 55; Ladie's Finger, 96; Ribstone Pippia, 81; Newtown Spitzenburgh, 57; Kaighn's Spitzenburgh, 75, Irish Apple, 120; Michael Henry Pippin, 3; Jersey Greening, 43; Wood's Greening, 78; Rhode Island Greening, 41; Roman Stem, 44; Monmouth large green Winter, 14; Cumberland Spice, 64; Black Apple, 28; Sheepnose, Bullock's Pupin or long Tom, a line cating apple, 113; Winter Queen, 5t; Pennock's large red Winter, 45; Red Calville, 54; Coate's red Winter or Sally Apple, 32; Aunt's Apple, [large red] 100; Orange, 27; Pearson's English Pippin, 70; Shippen's Russeting, 4.

From January to April.

dy Apple, an admired table truit, 21; Mansfield large leaves, drive them violently about, and if indeed unpromising. As a general rule for judging of soil

lightened and experienced farmers and horticultu-rists; it certainly must be admitted to be of great vere, 69; Priestly, 65; Warren Apple, or Varmin's shaken, as greatly to retard its future growth; for Winter Blush, 13; Redling, 12; Red Winter Sweeting, 99; American Pippin or Grindstone Apple, 48; Boston, or Roxbury Russeting, 98; Green Ever-lasting, (will keep a year,) 20; Nine Partners little dition a tree cannot thrive well, the only remedy Russet, (will keep above a year) 88.

(Catalogue to be concluded in next number.)

OBSERVATIONS

of Fruit Trees and Plants.

and this happening frequently at a time when the less very old and perfectly mellow, pressure of business rendered it very inconvenient

had as much experience as myself. Season of Planting.

The delight peculiarly attached to Spring, in the conduct and management of our rural concerns, may be supposed, naturally to have a strong influence in governing the minds of many, in making and we are led to attribute to this cause its having fall, especially in those parts of the country subject to severe droughts; as the trees planted in autumn are less hable to suffer from this cause, than those planted in the spring.

Arrival at their destination.

The first point of importance to be attended to on the arrival of the trees from the Nursery is, to have the bundles carefully opened, and a trench dug in a tine and pressed in on all sides, so as to exclude the

Mode of Planting, &c.

or eighteen inches deep, throwing away the bottom spit and using only the top soil in planting the tree. When the trees are taken from the trench, cut off the ends of the roots and other bruised parts with a sharp knife, and trim the tops pretty freely, leaving them as light as possible, preserving merely the form of a head; shortening the branches is considered injurious, and should be avoided, except when really necessary to preserve the proper form of a head, especially the leading shoot; or when the length is disproportioned to the size of the body, this being a advise leaving the buds, and a few of the small twigs upon the body to grow, with the view of strength-tally to promote their growth. ening it, and preventing the bad effects of a dispro-

Pippin, 105; Lob, 58; Vout Apple, 111; Tewksbury this weakness once produced in the body, is very likely to continue, as in every light breeze it will be liable to the same motion, and consequently prevent seems to be, to reduce the top, and tie it to a strong stake fixed firmly in the ground, with a ligature of straw to pass several times between the stake and the tree, to prevent injury by rubbing. To supply Relating to the Planting, Management and Culture, the place of the poor earth thrown away, use the surrounding top soil, or other equally good brought Having been frequently applied to by persons from clsewhere for the purpose; I cannot recommend about to procure Trees and Plants from this Nurthe use of manure of any kind mixed with the earth sery, for instructions how to plant and manage them, in planting, not even earth from the ditch bank, un-

If the ground wants enriching, I should prefer a to give the information required, and the success of top dressing laid round the tree of stable manure, planting trees depending much upon the treate ent compost, or ditch mud, after it has been mellowed they receive after they leave the Nursery, till they by frost or putrefaction; this woul be safer and anhave passed the first summer, I offer the following swer the purpose much better. In filling up the observations for the use of those who may not have hole, care should be taken to make the earth fine, and to press it close and compactly round the roots, and those of them inclined to a lateral direction, should be spread so as to lay easy, and by no means forced down or bruised in treading in the earth: the ground immediately round the tree should be left in the form of a basin, in order to receive occasional waterings, which, if the weather is dry, should be frequently given; once a week or ten days, will generally be sufficient if done plentifully, so as efgaging in this interesting branch of improvement, fectually to wet the whole space occupied by the while it is sufficiently evident, that the weight of roots: some half rotted litter spread round the tree experience will be found in favour of planting in the during the summer, would be useful in preventing the rays of the son and the winds from dissipating the moisture; but it should be removed in the fall as it might be a harbour for mice during the winter, who would be apt to injure the trees by feeding on the bark and roots.

To promote the growth.

It will be proper early in the spring, to examine such trees as have been planted the preceding fall, slanting direction, deep enough to receive the routs to ascertain whether the high winds which prevail below the surface; they should be placed therein about the time of breaking up of frost, may have and well watered, and then covered with earth made shaken them loose; if this should be the case, it will be important to have the ground trod firmly air, thus to remain until preparation is made to plant round the tree again, as the shaking will be otherwise likely to destroy the tender sprouts as fast as they are put forth, and of course the tree must pe-The holes for planting should be dug two and a rish. It will be proper to keep the weeds from half to three feet in diameter, and about two spits growing round the tree during the summer months, to effect which a shallow hoeing occasionally would be sufficient; loosening the earth round the tree would be serviceable also, in preparing the ground to receive the dews and rain; it may be proper to remark, that young trees uniformly thrive best where the ground is kept constantly under tillage; where this cannot be done, as in the case of grass plats, lawns, &c. the ground should be dug once or twice a year within the distance of three feet from the tree, and kept free from grass and weeds during the summer; a few shovels full of manure fault not to be remedied in any other way; I would worked in once a year round each tree, whether the ground be tilled or in grass, would contribute essen-

Apples-soil, aspect, &c. proper.

purtionate increase in the size of the top, as from this fault in the trimming I apprehend it is, that the inorning sun and protected from the northern winds, crooked condition of so many orchard trees is to be is perhaps the best site for an orchard; a situation a attributed; the whole growth being thereby thrown little elevated but not high, the soil a rich loam, into the top, it becomes too heavy to be supported with a proportion of calcareous matter, either naand falls over; the same effect is also produced by turally or artificially mixed with it, would perhaps another injudicious practice in early trimming, that be the best soil, but all dry lands will produce good English Nonpareil, No 82; Flushing or Esopus is, running them higher than the strength of the apple trees. In very wet or very sandy soils, their Spitzenburgh, 56; Swaar, 79; Large yellow Newtown Pippin, 1; Hunt's fine Green, do. 9; Newark trees not unfrequently sustain another material instant in the strength of the apple trees. In very wet or very sandy soils, their strength of the duration will be shorter; when cold clay or quick-town Pippin, 1; Hunt's fine Green, do. 9; Newark trees not unfrequently sustain another material instant in the strength of the apple trees. In very wet or very sandy soils, their strength of the apple trees. In very wet or very sandy soils, their strength of the apple trees. In very wet or very sandy soils, their strength of the apple trees. King, So; Royal Russet, 94; Pomme d'Apis, or La- jury; the strong winds, when they are loaded with ground upon which apple trees will grow, is more

wheat and clover.

Planting and cultivation.

The most approved distance for planting apple at 35 feet, but in a rich loam, where the trees will be likely to grow to a large size, 45 feet is sufficiently nigh; in ordinary land, perhaps 40 feet is the best distance. At 35 feet asunder, thirty-five trees ceeding years, the more certain and the more vigorous will be the growth of the orchard. Winter grain, oats, barley and clover, have all been found to be injurious to the newly planted orchard; when the ground cannot be spared from the usual routine of crops, it would be of great advantage to young trees to have the grain or clover dug in early in the season, or well dressed with a hoe within the space of three feet from the tree, forming a circle of the care and attention." diameter of six feet, and to have it kept open and free from weeds and grass during the summer. Indian corn, potatoes, vines and buckwheat, have all been considered favourable to the growth of orchards.

Pears.

Pear trees while young, require pretty much the same treatment as recommended for apples; they delight most in a deep, strong loamy soil, into which their roots can easily penetrate; a low moist soil is unfavourable, and as they seldom grow to so large a size as apple trees, and their forms being more aspiring, and less inclined to spread, they may be planted much nearer together; from 20 to 30 feet asunder will afford sufficient room. They are subject to a malady almost peculiar to them, called the fire-blight, or brulare, which often injures them their Ewes once a day, which they continue to do the goose, in the night time, rests its bill, and sucks very much, and not unfrequently entirely destroys till within a week of their receiving the annual visit them. I have noticed this disease to attack pear trees in almost every stage of their growth; the time, however, it appears the most decisively destructive, is about the period of their approach to that degree of maturity, which promises a remuneration for the trouble and expense of the anxious, attentive cultivator, and while exhibiting the most flourishing appearance, thrifty, well formed, and increasing fast in size and heauty, almost oppressed with the re-dundancy of their rich foliage. The cause of this malady has employed the attentive investigation of out producing any result entirely satisfactory, or any remedy that I have met with, in my estimation better, than cutting the branches as soon as the lose one limb after another until the trunk seemed still, to be milked, even in an open field. Mr. A to be left almost branchless, and afterwards recover says, he knew one flock master, who milked a flock case of blight as before noticed.

(To be concluded in next number.)

DISEASES OF FRUIT TREES.

Extract of a letter from a distinguished Horticulturist in Massachusetts.

entirely right. That the disease which attacks the and what is more, do well on it!"

for this purpose, it would I think be safe to estimate plum and morello cherry, and our native plants of SALTED STRAW.—A farmer in the West of Susits titness, in proportion as it will produce good the genus cerasus, (for they in our woods are nearly sex, having had, from the late Weyhill Fair, 40 Dordestroyed by it) is not owing to an extravasation of set Ewes, he a few days ago gave them, merely to the sap, of which the insect avails itself, is perfectly see if they would eat it, some very coarse Barley well known to me. I say it with perfect confidence. Straw sprinkled with salt; which fodder, he states, trees, is from 35 to 45 feet apart, varying according to the strength of soil: they will do well in a sandy soil

The disease afflicts the young and the healthy as notwithstanding their being in a field of fresh and to the strength of soil: they will do well in a sandy soil

as those which are bark bound. It is seen exceedingly sweet pasturage, that had been laid off chiefly in the young and healthy branches, and I on purpose for them, they devoured with the greathave opened them within two days after the first est degree of avidity. rupture, and always found the insect. The destruction of the insect in that stage has uniformly cured may be planted in an acre; at 40 feet, fwenty-seven; and at 45 feet, twenty-one. The looser the ground dangerous remedy. It is precisely so with all the other wood eating insects—those which infest the his bees, without destroying them, by the following other wood eating insects—those which infest the his bees, without destroying them, by the following contains both bees and the complaint, without any splitting of the bark, a in the East of Sussex, has, for three following seawhite pine and the locust. By carefully cutting off simple means: The hive that contains both bees and

RURAL ECONOMY.

NORTH BORDER EWES.

Mr. Alvey, a respectable Beast Salesman in Smithfield, gives the following account of the North Border Ewe flocks, amongst which he says he lived up-

wards of 20 years:

It is a practice with the farmers on, and near to the Cheviot Hills, to have milking pens prepared (generally with hurdles, either under cover in stalls, unoccupied stables, or sheds, or in the open air,) a linen-if cold, in flannel, first cutting off a small short time before they wean their Lambs and immediately after these are weaned, to begin to milk of the Ram. Hence their Ewe-milking scuson is from the last week in July to the first week in October, during which time their Ewes give, on an ave-from being disturbed by noise, and placing by them rage, nearly or quite a pint of milk per day. The operation of nilking is, he states, performed by the a-day, with pellets of malt, or barley-meal, by which labuarers' children, who will, after a little practice, treatment their geose become wonderfully fat in an milk about 30 Ewes each per hour, or, as heir incredibly short space of time, morning's milking generally lasts two hours, about 60 in a morning, for which labour they are paid has been brought to it either by land or water, is dundancy of their rich foliage. The cause of this after the rate of 1s. 9d per week cach Young malady has employed the attentive investigation of many ingenious and experienced cultivators, withpens are so contrived as to barely afford space for delicacy of the poultry to be found upon it, finds no one Ewe and the child that milks it, they, in a very difficulty on this point.—This department is manashort time become tractable, and habituated to what blight is discovered, completely below the part af- dairy-maids term setting their leg-after the manner and as we have understood more after the usual feeted. I have known trees under this treatment to of the most gentle Milch Cow, and will stand quite and become healthy, flourishing and productive. of about 58 score Ewes, for a considerable number As soon as the trees have formed good heads, and of years, and made of their milk, in the shape of by the appearance of blossoms promise some fruit, butter and cheese, and by selling some of it in its what is so much to be esteemed, good fat plump I would recommend to lay the ground in grass and natural state, from 3601 to 3901 each season, excluwithhold the ordinary portion of manure, suffering sive of the expense of milking. Ewe milk, he obit to form a sward immediately round the body of serves, is very sweet, and though of a bluish tint, exthe tree, and to be very sparing in the use of the ecedingly rich. It is, he states, the opinion of South knife, cutting out only such branches as cross others of England farmers that milking of Ewes must and are likely to injure by rubbing, except in the burt their constitution; but in this, he remarks, they are greatly deceived, the North Border Ewes remaining healthy, and bearing tine Lambs to a great-"I have read with great pleasure, Mr. Buel's re- eat the hedges, or the mortar out of the walls of they are to find provender, being first put on board marks on Mr. Worth's paper, and I feel sure from their field; or, if there are neither walls nor hedges a sampane, or boat, which is destined for their halong and very minute observation, that he is right, they will cat the field itself, or at least its mould, hitation, and from which the whole flock, often, it is

HUMANITY TO BEES .- A shoemaker, who resides the diseased limb, on all your trees, you extirpate it honey he places bottom upwards, on a form, with a from your grounds. I first discovered the cause of round hole cut in it of sufficient dimensions to rethe blight in pears, and carried the insect to Prof. ceive the crown of the hive, and to keep it in an Peck. The insect had completely girdled the trees, erect position in its inverted state. Over this hive and they perished. By early excision I have rooted he places another, well smeared with strong beer it out of my grounds, and have no doubt we might and honey mixed together, and filled about half full raise the locust as our ancestors did, by the same with sweet flowers, sweet and aromatic shrubs, herbs, &c.—then placing it, rim to rim, over the inverted hive, the bees ascend into it and become so tipsy by feasting on the honey and beer, that they sleep the whole of the next day in their new habitation, consequently, may be removed to any place that might be thought proper, leaving their property behird them, but saving their lives.

> JEWS' SYSTEM OF FATTENING GEESE .- A gentleman who has recently travelled in Poland, intimates that the Jews in that country, who are celebrated for their skill in goose-fattening, fatten their geese in the following curious manner. They, he asserts, wrap their geese, if the weather be mild, in coarse hunch of feathers that stand erect on their rump, on which, it is well known to English goose-feeders, away a considerable part of its fat. They then hang them up in dark places, and in separate cages, and stopping their ears with small peas, to prevent them plenty of water and gravel, feed them three times

[The difficulty of fattening poultry in town, which ged by her venerable superintendant, Mrs. Johnson, fashion of feeding pigs than poultry; that is, they are fed indiscriminately from the offal of the kitchen, on greens, pot liquor, parings of bacon, and other meats, potatoes, &c. &c. This treatment, so convenient and simple, we are told will never fail to give us,

poultry .- Ed. Am. FARM.]

CHINESE METHOD OF REARING DUCKS .- In China the rearing of ducks is an object of great moment. The major part of them are hatched by artificial heat; the eggs, being laid in boxes of sand, are placed on a brick hearth, to which is given a proper heat during the time required for hatching. er age than those of any other breed whatever! On The ducklings are fed with craw-fish and crabs, being asked how the North Border Ewes stood the boiled and cut small, and afterwards mixed with winter, Mr. Alvey replied—'Why, they will stand boiled rice; and in about a fortnight they are able any thing! They are the hardiest devils in the world! to shift for themselves. The Chinese then provide If there is no herbage or fodder for them they will them with an old step mother, who leads them where said, to the amount of three or four hundred, go out months it does not succeed.

LADIES' DEPARTMENT.

A WHISPER TO A NEWLY-MARRIED PAIR.

(Continued from p. 351, vol. 7.)

A WHISPER TO THE WIFE.

"Think not, the husband gain'd, that all is done, The prize of happiness must still be won."

Chapter I.

INTRODUCTORY REMARKS.

GENTLE lady, my whisper to your husband is ended. From you a moment's attention is now claimed by a widowed wife, whose bridal morning rose as bright as yours; whose youthful heart loved and most important of all a wife's pursuits—the confidence and affection of her husband.

You are now become a wife; and sacred and important are the duties you have to fulfil Your hushand has bestowed on you the most flattering dis-

him even forget he wears it.

ed an object of importance and a subject for rethe busy whisperer no food for a new sarcasm in defect. the next importation of tittle-tattle,

unless she is a woman of sense, fond of exhibiting the love she has inspired. Pursue a different course; let your manner to your husband be kind and goodment, which, used in public, argue in loud terms a want of true delicacy, and are ever particularly

disagreeable to the spectator.

The first inquiry of a woman after marriage should be, "How shall I continue the love I have inspired? How shall I preserve the heart I have won?" Gentle lady, at the present moment your husband thinks you the loveliest, the gentlest of beings. Destroy not the illusion: be lovely still; be gentle still. The long and dreary road that lies through the wilderness of life is stretched before power can break, you are bound to a companion with whom, hand in hand, you must walk through this long, long road. For the sake then of peace, for the sake of happiness, for the sake of self, (that most powerful feeling,) brighten the way by endcavouring to make yourself amiable and pleasing to

The great Dr. Johnson, with his usual strength of expression, laments, in the following words, the contrasted manner which frequently occurs before and after marriage.-"One would think, the whole endeavour of both parties during the time of courtship is to hinder themselves from being known-to disguise their natural temper and real desires in hypocritical imitation, studied compliance, and continued affectation. From the time that their love is avowed, neither sees the other but in a mask; and the cheat is often managed on both sides with

used nine months out of the twelve, for in the colder that some transformation has happened on the wedcase of Jacob, one has been courted and another married."

> "However discreet your choice has been, time and circumstances alone can sufficiently develope your husband's character: by degrees the discovethat the object of your affections is not entirely free from the infirmities of human nature. Then it is, that by an impartial survey of your own character, your disappointment may be moderated; and your love, so far from declining, may acquire additional tenderness, from the consciousness that there is room for mutual forbearance."

Chap. II.

ON CONNUBIAL HAPPINESS.

After marriage, a man generally takes his wife to "with all a woman's love;" and who auxiously his home, perhaps to the seat of his ancestors where wishes to secure for her interesting sisters, that first every object is endeared to him by local attachment and interesting remembrances. With pride and pleasure does he walk out with his fair bride, to exhibit to her the beauties of his domain and the scenes of his youth. "Look," says he, "at that noble view down the river; see that boat, how solily tinction: he has selected you from the world; and it glides, and that little temple on the hill, where on the chain he has put on can be broken only by a fine evening I used to sit with my excellent modeath! Be it your care never to let him feel this ther, and say my tasks by her side: she was, in chain, and by your kindness and gentleness make truth, my Emily, an excellent mother; several years have elapsed since I lost her, and yet I cannot think A bride, wherever she appears, is ever consider- of her but with the strongest feelings of affection and regret." Endeavour, gentle lady, to enter into mark. "Have you seen the bride?" is the eager his feelings, and to admire, and to feel pleased with and general question: and what she does, what she every thing. In those bridal moments, your smiles says, what she wears, and how she looks, swell the and approbation are delightful to him: and although insignificant chat of every gossip's visit. Let the alterations and improvements may occur to you, him. Leave father and mother, and brother and notice which you thus excite make you particularly let him see it is for the sake of those improvements, observant of your manner and conduct; and give not for the sake of finding fault, you point out the

Study your husband's temper and character; and A bride is generally (indeed I think always,) be it your pride and pleasure to conform to his proud of the new character she has entered on; and wishes. Check at once the first advances to continuous the lady? Your husband only. Who has sworn tradiction, even of the most trivial nature. I repeat the word trivial, for it is really inconceivable the power which the veriest trifles have, at times, humoured; but sacred to the hours of retirement over the mind, either in irritating or pleasing. And be those expressions and that display of endear- the woman, who after a few years are gone by can say, "My husband and I have never yet had a loud house can you proudly look round you, and say, "I or angry debate," is in my opinion better entitled reign as mistress here?" Your husband's, and your to a chaplet of laurels, than the hero who has fought husband's only. Turn then, gentle lady, to your on the plains of Waterloo.

"There is one simple direction, which, if carefully regarded, might long preserve the tranquillity of the married life, and ensure no inconsiderable portion of connubial happiness to the observers of

it; it is, to beware of the FIRST dispute."

An admired writer says, "Let it never be forgotten that, during the whole of life, beauty must suffer you; and by a chain, the links of which no human no diminution from inclegance, but every charm must contribute to keep the heart which it has won. Whatever would have been concealed as a defect from the lover, must with greater diligence be concealed from the husband. The most intimate and his cares, a shelter from the world—a home not for tender familiarity cannot surely be supposed to ex- his person only, but for his heart. He may meet clude decorum; and there is naturally a delicacy in every mind, which is disgusted at the breach of it, though every mind is not sufficiently attentive to him; should he be silent and thoughtful, or even avoid at all times that mode of conduct which it has often itself found offensive. That unwearied solici tude to please, which was once the effect of choice, is now become a duty, and should be considered as he may not say it, "This woman is indeed a com-

"E'en in the happiest choice, where favouring Heaven Has equal love and easy fortune given, Think not, the husband gain'd, that all is done, The prize of happiness must still be won.'

to leed and return at command. This method is much abruptness, that each has reason to suspect which each day will produce. Your husband perhaps does, or says, something provoking; your serding night, and that by a strange imposture, as in the vants do, or say, something provoking, -or some valuable article is injured by their negligence; -a handsome piece of china or glass is broken; a tiresome visitor comes in at a most mal-apropos moment, and breaks in on some matter of consequence; -&c. &c. But remember the great Solomon's words:ry will be made that you have married a mortal, and He that is slow to anger is better than the mighty; and he that ruleth his spirit than he that taketh a city .-(Prov. xvi. 32.) By the expression ruleth his spirit, the inspired writer's views on the subject are evidently wide and extensive. He alludes to those infirmities of temper and disposition which so often corrode our peace, and make us unamiable and uncomfortable to ourselves and those around us .-When the risings of discontent, peevishness, envy, anger, resentment, or any evil passion, disturb or threaten to take possession of our hearts, then is the man that ruleth his spirit superior in the eyes of the eastern monarch to the hero returning from the battle or the siege, crowned with laurels and covered with glory! I cannot dismiss this subject without remarking, the very sweet and engaging point of view in which a person appears to me when I see them pliably yielding their own will to the will of another. A late writer makes the following excellent remark-"Great actions are so often performed from little motives of vanity, self-complacency, and the like, that I am apt to think more highly of the person whom I observe checking a reply to a petulant speech, or even submitting to the judgment of another in stirring the fire, than of one who gives away thousands!"

Let your husband be dearer and of more consequence to you than any other human being; and have no hesitation in confessing those feelings to sister, and cleave only to him. It is expressly the will of God; for of course the command applies to woman in the same degree as to man. What is any one to you in comparison of your by the laws of God and man to support and protect you? Your husband only. Whose home have you a lawful right to?--whose purse have you a lawful claim on? Your husband's only. In whose house do you feel the sweets of independence? and in whose husband; let his interest, his comforts, his wishes, all be yours; and without hesitation give up for his sake all the world besides. There is an old Irish saying, and like the generality of Irish sayings, expressive and true, the translation of which is as follows: "He must be a very good-for-nothing, indifferent husband, whose bosom is not the best pillow a woman ever laid her head on."

Endeavour to make your husband's habitation alluring and delightful to him. Let it be to him a sanctuary to which his heart may always turn from the ills and anxieties of life. Make it a repose from with pleasure in other houses, but let him find happeevish, make allowances for the defects of human nature, and, by your sweetness, gentleness and good humour, arge him continually to think, though fort to me. I cannot but love her, and requite such gentleness and affection as they deserve."

I know not two female attractions so captivating to men as delicacy and modesty. Let not the familiar intercourse which marriage produces banish When once you enter the matrimonial state, gen- such powerful charms. On the contrary, this very so much art, and discovered afterwards with so the lady, prepare for the various trials of temper familiarity should be your strongest excitement in

endeavouring to preserve them; and believe me, the modesty so pleasing in the bride, may always in a great degree be supported by the wife. (To be continued.)

SPORTING CLIO.



CAN'FON RACES.

Subscription Purses .- There will be run for over the Canton Course, on the 15th and 16th days of May next, the following subscription purses, free for any horse, mare or gelding, bona fide, owned by any person residing in the state of Maryland or District of Columbia-to carry weight, &c., agreeably to the rules of the "Maryland Association," viz:

First Day. Three mile heats, for a purse of . . Second Day. Two mile heats, for a purse of . Third Day.

Proprietor's Silver Cup, free for saddle horses only. Fourth Day

Two mile heats, for a Handy Cap purse.

horses to be run, must be entered by a subscriber, tion-ayes 127, noes 26. THE PROPRIETOR.

THE FARMER.

BALTIMORE, FRIDAY, MARCH 24, 1826.

35-The Index of the last volume is in type, and would have gone out with this number, if we had not been disappointed in a supply of paper.

The receipt of this number will remind our friends that according to the terms of subscription, the advance for this volume is now due.-We have to pay the printer, paper maker, clerk, &c. &c. as regularly as the week comes round, and we shall circumstances naturally tend to depress the market be extremely thankful to those who can, with their own, inclose a like amount from a new subscriber.

THE FINE THOROUGH BRED COLT, advertised by the Editor, is still for sale, at the price named, \$350. Horses of the best English racing blood are getting every day into greater demand; and an opportunity does not often occur of procuring, on terms so moderate, a young horse of such

great promise.

The pedigree of Silver-tail, now so called, was given at pages 391-2 of the last vol. From Governor Wright to whom we had written for the pedigree of the dam, (by Vingt-un) we received the following letter, whereby it will be seen that she ran 3 three mile heats in 24 minutes less than they were run at the great race at Charleston last monthfor account of which, see last vol. Am. Farm. p. 407.

Btakeford, March 12, 1826. DEAR SIR.

I received your letter and inclose you the pedigree of Vingt-un, the sire of Aurora, the dam of your colt. She was a great running mare-won six or seven races, three of them Jockey Club races at 48 seconds-2 in 5 minutes 46 seconds-3 in 5 minutes 52 seconds .- At Marlborough, heat Ground Hog, who betted \$300 to \$100 against her, and Mr. Jenifer's mare, a match race. Yours, &c.

ROBERT WRIGHT.

BUFFALOE BEERIES FROM UPPER MISSOURI.

Sir-I have the honour to send you a few buffa loe herry seeds; this berry is peculiar to the upper Missouri, it grows on the banks and small tributary streams of that river in great abundance. The height is about twelve or fifteen feet, its leaf is small and much of the colour of the evergreen, its fruit resembles the currant both in colour and taste, and grows in small clusters under the leaves. The Indians of that country subsist on them for weeks at a time when meat is scarce, they pull them off the trees and eat them as you would other small fruit; ! am told they make fine tarts.

Respectfully yours, B. RILEY. J. S. SKINNER, Esq.

VIRGINIA.—In the Virginia House of Delegates, the following resolutions have been adopted:

1. That the imposition of taxes and duties, by the Congress of the United States, for the purpose of protecting and encouraging domestic manufactures, is an unconstitutional exercise of power, and is highly oppressive and partial in its operation-ayes 133. noes 23.

2. That the Congress of the United States does not possess the power, under the constitution, to adopt a general system of internal improvements in the States, as a national measure—ayes 128, noes 24.

3. That the appropriation of money by the Congress of the United States, to construct roads and 35-Hour of starting, 12 o'clock each day. The canals in the States, is a violation of the constitu-

COMMERCIAL RECORD.

\$\int Advices from Liverpool as late as the 28th of January, represent the continuance of extreme embarrassment in the mercantile world-it is said as to Cotton, that old Uplands may be quoted at from 5% up to 7½d; the most of the sales are at 64 at 6%d per lb. 'The total business done in Cotton in the course of the week amounts to 14,000 bags, of which 8,000 are American Cottons. Our imports are 6,600 bags, of which 5,000 are from the United States. As to Tobacco, there has been one failure here this week in the Tobacco Trade, and there are rumours of others being in difficulties. These for this article, but on the whole it has remained quite as firm as could have been expected.

Tobacco--York and James River low and inferior, in bond, lb. 34 to 4d; ordinary and middling 44 to 6d; fair to fine 61 to 9d; stemmed 31 to 9d; Kentucky and Rappahannock Leaf 32 to 5d; stemmed 54 to 8d; Carolina and Georgia Leaf 3 to 41d; Ma-

ryland, none; Potomac 3 to 4&d.

In Baltimore, nothing has been done in Maryland tobacco, as the purchasers are waiting for further accounts from Europe, and for the new crop, which begins to be inspected freely about the 1st of April. Our quotations are nominal, and higher than the opening of the spring trade, it is believed, will authorize. Seconds, as in qual. \$3 a 8; common crop. 4 a 6; common red, 5 a 7; good red, 8 a 10; fine red, 10 a 15; yellow and red, 16 a 20; yellow, 20 a 25; brown, 5 a 7; fine yellow, 25 a 40; Virginia, good and fine, 6 a 10; Rappahannock, 31 a 4; Kentucky, fine, 6 a S.

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	PRICES	CUE	R	EN	T					
ľ	A DTICLEC	Lnon	w	HOI	ES:	ALE		RE	TAIL.	-
Y	ARTICLES.	per	11	om		to		om	to	
9	BEEF, Baltimore Prime,		. 8			25			10	
1	BACON, and Hams, BEES-WAX, Am. yellow] lb.		38		34	S	40	12 5	50
t	COFFEE, Java,	_		16		17		22		25
-	Havana,	-		15		17		18	2	20
ì	COTTON, Louisiana, &c. Georgia Upland,			15	5	154 154				
3	COTTON YARN, No. 10,	_		33						
)	An advance of I cent									
	each number to No. 18. CANDLES, Mould,			12		154		14	,	5
i	Dipt,	_		10		-11		11	12	
ı	CHEESE, FEATHERS, Live,			3:2		10 33	1	12 37	1	5
,	FISH, Herrings, Sus.	bbl.	2					0.0		
	Shad, trimmed,	<u> </u>	6				8	00		
	FLAXSEED, Rough, FLOUR, Superfine, city,	bush bbl.	4	90 25	4	37	5	00 50		25
s	Fine,	_	4		4		1			
7	Susquehanna, superfi.	lb.	4	9		11	5	00		
,	FLAX,	25 fb	5			11	5	50		
,	GRAIN, Indian Corn, .	bush		68		70				
1	Wheat, Family Flour, do. Lawler,			80 75		85 80				
ij	do. Red			75		80				
٠	do. White Flint,	-	2	60		0.0				
ı	Rye,			90		62 95				
	Clover Seed, Red	bush	3	75	4	00	5	00		
1	Ruta Baga Seed, Orehard Grass Seed,	lb. bush	1	75			2	00		
	Mangel Wurtzel Seed,		i	25			1	50		
1	Timothy Seed,	-	2	25			2	50		
-	Oats,		1	45 50			1	50 75		
	HEMP, Russia, clean, .	ton	21	5	22					
Ì	Do. Country	 1Ն.	12	0 27	13	0 28		37		۸
	HOPS,	10.		9		91		12	5	U
	LEATHER, Soal, best,	_		24		25		CO	_	
1	MOLASSES, sugar-house Havana, 1st qual	gal.	0	45 25		261		6일 37월	7.	13
	MEAL, Corn, kiln dried,	bbl.	3	00		25	3	75		
1	NAILS, 6a20d NAVAL STORES, Tar,	lb. bbl.	1	7 75				9		
1	Pitch	— OIM.	2							
1	Turpentine, Soft,	-	2	00 30				40		0
1	OlL, Whale, common,	gal.		70				88	1 0	
1	POŘK, Baltimore Mess,	bbl	12	50	10	00				
1	do Prime, PLASTER, cargo price,	ton.	9 5	75 25	10	00				
-	RICE fresh, SOAP Baltimore White,	ib.		3				5		6
-	SOAP, Baltimore White,	lb.		12 5½		14		18	20	
1	Brown and yellow, WHISKEY, 1st proof, .	gal.		25%		27		38	56	0
1	PEACH BRANDY, 4th pr	-		75	Į.	00	1	25	none	
-	APPLE BRANDY, 1st pr SUGARS, Havana White,	e.lb.		37 <u>1</u> 50)			15		none 16	
1	do. Brown,	-	9	50		EA	10	- 1		
-	Louisiana,	ib.	7	75 19		50 22	11/	20	11 25	3
1	Lump,	-		16		18		20	~ (
	SPICES, Cloves, Ginger, Ground,			78			1	00		
-	Pepper,	-		17				25		
1	SALT, St. Ubes,	bush		46		48 55		75		
-	Liverpool Blown SHOT, Balt. all sizes, .	ewt.	9	53 50		99	12	50		
	WINES, Madeira, L. P.	gal.	2	50	3	00	3	50	4	
1	do. Sieily,		1	20	1	30 25	2	50	1 78	
1	Claret,	doz.	4	i	8		5	00	9 00	
1	Port, first quality,	gal.	1	50	2	00 40	2	50'		
	WOOL, Merino, full bl'd •do. crossed,	16.		35		30			asher	
	Common, Country, .	-		25		95		ags.	reec	Ł
	Skinners' or Pulled, .	_ 1		331		35	J			
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SKINNER, Editor, by John D. Tox, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

John S. Skinner, Esq.

ACRICULTURE.

SCIENTIFIC MEMORANDA-APPLICABLE TO RURAL ECONOMY.

(Continued from p. 2.)

Corn.

The utility of corn stalks for manure, has been demonstrated upon scientific principles, to an extent I believe not generally apprehended. 1000 parts of dry wheat straw gave 43 parts of ashes; and 1000 parts of those ashes afforded 22.5 of soluble matter, earth. The heat, therefore, that is evolved in the ed trees, as the oak, which force their way through process of slacking lime, is the caloric of the water, the interior of the mass. Annuals and rementagegave \$4 parts of ashes; and 1000 parts of those ashes afforded 72.56 of soluble matter. See Davy, p. 105. Hence 100 pounds of stalks will afford more food Upon an average every ton of lime stone has been to vegetables than 600 lbs. of wheat straw. This is a matter of moment to the farmer who duly appreciates the importance of manure, and affords a strong when exposed to the air it increased in weight daily, may be the richness of the soil in which it is placed, inducement to extend the cultivation of this useful at the rate of a hundred weight per ton, for the tirst. The fibres of the roots take up the extract of the the atmosphere, in consequence of its large system of leaves, than wheat, and consequently is less exhausting. Its average product is three times as great. It serves as food for all annuals. Its ordinary price in market is about one half the price of with unfermented manure, and planted on a clover care of, no crop is less profitable. We have corn soils and corn districts, and soils and districts that will not produce it to advantage. When we become arts, but I shall confine my present observations to capillary attraction, or sponge like property of soils. wiser, every district will confine its culture to the some of its benefits in husbandry. products for which it is best adapted. We shall hereafter have our wheat districts, our barley districts, our corn districts, and our grazing districts; strong action between the two, and they form a moist where the spade or hoe are most frequently and an interchange of commodities will take place kind of compost together, of which a part is usually used. They are the most permeable to heat and between them untually advantageous. Our great so table in water. Lime thus renders matter which air, and draw most moisture from the subsoil during error consists in blending all branches of husbandry, was before mert, nutritive to vegetables; and as the day, and from the atmosphere during the night. when our soil and location are probably only well charcoal and oxygen abound in all vegetable mat- Pulverization promotes the access of water, which adapted to a single branch.

Cramberries.

As this fruit is largely employed in most families, some persons may be glad to be informed, that these berries may be preserved several years, merely by drying them a little in the sun, and then stopping them closely in dry bottles. Parkes.

Black Cherry—(prunus cerasus.)

gum arabic. Hasselquist relates that a hundred suffered gradually to dissolve. Id.

found great relief by eating them very freely. Id.

Oxalic acid—(the acid of sorrel.)

Lime

and other ornaments; with phosphoric acid in the of lime imparts this property to sands in a remarkbones of animals and shells of eggs. To render car-able degree; and maries are therefore useful on such bonate of lime (common time stone) subservient to soils in proportion as they abound in this carbonate. agriculture and the arts, the carbonic acid is expelled by heat, in the common process of burning. It thus becomes eaustic, or quick lime. But its value as such is impaired in proportion as it recombines become too compact for the proper admission of air, with carbonic acid, which it does rapidly if exposed rain and heat, and for the free growth of the fibres; to the atmosphere. It also possesses a strong affini-ty for water, and will absorb one fourth of its weight or spade, will, in a few years, be found in the posof that fluid; and yet remain perfectly dry. The session of fibrous rooted perennial grasses, which water becomes solidified, and identified with the form a clothing on their surface, or strong top-rootprocess of slacking lime, is the caloric of the water, the interior of the mass. Annuals and ramentaceas it passes to its solid state, and does not proceed our rooted herbaceous plants cannot penetrate into from the lime as is sometimes supposed - Parkes, such a soil. plant. Corn takes less from the soil, and more from five or six days after it was drawn from the kilu. soil, or food of the vegetable, in proportion to their Bishop Watson. These facts suggest the importance of transporting lime, where it is to be used at a distance are increased, the more food is absorbwheat. Both now are about the same price. Feil forc, is a combination of 55 parts of line, and 17 portion to the pulverization of the soil; though it is lay, it is the most certain and profitable grain crop hydrate of hime, to denote its umon with hydrogen, as Tull supposed, entirely upon pulverization, but that is grown. On poor or wet ground, badly taken the principal constituent of water .- See Davy's Ag. essentially upon the quantity of food within the reach Chem. p. 283.

Caustic or quick-lime is exten ively used in the

sorbing carbonic acid, which is their joint product. plant. Dary. Lime possesses the property of hastening Parkes.

Mild lime, powdered lime stone, marles or chalks The gum which exudes from this tree is extreme have no action of this kind upon vegetable matter, be a considerable time before the gradually increasly nutritious; indeed it is equal in every respect to By their action they prevent the too rapid decom-ing temperature of spring could communicate its position of substances already dissolved; but they men, during a siege, were kept all e nearly two have no tendency to form soluble matters. Davy. months, without any other substance than a little of They are mechanically beneficial upon sands, in To remove this defect, which always belongs to a this gum taken occasionally into the mouth, and rendering them more firm and adhesive; and upon close compact soil, it is necessary to have the land

clays, in rendering them less so.

It has been said that this fruit has the property of or vegetables being alike present) on its absorbent ble substances, exposed to the alternate action of qualities; or the power which it possesses of retain-heat, moisture, light and air, undergo spontaneous dissolving the tartareons encrustations upon the ing a quantity of moisture necessary for the nouteeth; and that hence, those who have been affected rishment and vigorous growth of plants. When pendent of it. Thus pulverization increases the with the gont and nephritic disease (stone, &c.) have this power is great, Davy observes, the plant is supenumber of the fibrous roots or mouths of plants; faplied with moisture in dry seasons; and the effect of cilitates the more speedy and perfect preparation of evaporation in the day is counteracted by the absorption their food; and conducts it, so prepared, more rea-Readily decomposes sulphateof lime (gypsum.)

Parkes. This explains why plater always benefits clover, &c. on the light ground which abound in sorrel.

Of aqueous vapous from the atmosphere, by the interior dily to their roots — See Grise, the waite and Leudon.

These principles are illustrated by the fertifity of a clover lay. The roots of this plant penetrate the soil loose, even in soil in every direction; and as they decay, they droughts, in order to render it permeable to the at afford not only the elements of food, but free admis-Lime

Is an alkaline earth, and who divested of the acid were found by Davy, to acquire in an hour, by exparing this food. A complete pulverization is induwith which it is naturally conbined, is caustic like posure to a moist air of 62°, an increased weight of ced. Hence most crops are benefitted by a clover potash. It exists in rocks, in earths, in water, in from 3 to 18 grains in 1000, in proportion to the lay; and probably none more so than Indian corn, vegetables, and is the basis of animal bones. It is vegetable and finely divided matter contained in the which is enabled to multiply its mouths to an increcombined with carbonic acid a common lime stone, different specimens—the absorption being greatest dible extent. It is the property which they possess chalk, marble, and the shells of marine animals; with where these most prevailed. Vegetable substances of pulverizing the soil, that renders almost all root

Even a free silicious soil will, if left untouched,

The first object then of pulverization is to give found on experiment, to produce 11 cwt. 1 qr. 4 lbs. scope to the roots of regetables; for without abundance of quicklime, weighed before it was cold; and that of these no plant will become vigorous, whatever tance from the kiln, as soon as possible after it is ed, and the more vigorous does the plant become. burnt; and also of using it speedily when its caustic Duhamel and Tull ascertained by various experiqualities are to be relied on. Slacked lime, there-ments, that the increase of these libres was in proparts of water solidified, and in this state it is called now known, that the vigor of grow h, depends, not of the fibres.

A second use of pulverization is to increase the by which their hunndity is rendered more uniform. When lime, freshly burnt or slacked, is mixed To illustrate this let the reader examine his garden with any moist fibrous vegetable matter, there is a during a drought. He will find those parts the most ters, quick lime is converted into mild lime by ab- holds in solution the food, to the roots of the

Another benefit results from the admission of air. the dissolution and putrefaction of all animal and Manure is useless in vegetation till it becomes soluvegetable matters, and of imparting to the soil the ble in water, and it would remain uscless in a state power of retaining a quantity of moisture necessary of solution, if it so abounded as wholly to exclude for the nourishment and vigorous growth of plants, air, for then the fibres or mouths, unable to perform their functions, would soon decay and rot off.

Earths are bad conductors of heat; and it would genial warmth to the roots of vegetables, if their lower strata were not heated by some other means. open, that there may be a free ingress of the warm The fertility of a soil depends materially (the food air and tepid rains of spring. Animal and vegeta-

sulphuric acid in gypsum; with fluoric acid in Der possess the power of absorbing and retaining unois-crops meliorating, and proper to precede barley and byshire spar, from which is manufactured vases ture in the greatest degree. Mild lime, or carbonate wheat. The effects of pulverization in multiplying

No. 2. -vol. 8.

an acre of stiff clay, in a very dry season; and he imputes the success of the experiment principally to very frequent ploughings which he gave to the drawn backward by a violent spasm.

ON DISEASES AND ACCIDENTS OF FAR-

Observations on the means of preventing and relieving the accidents and diseases, to which farmers are particularly subject. By James Mease, M D.

[From the Memoirs of the Philadelphia Society for promoting Agriculture-Read May, June, July, August,

I have frequently had occasion to witness the suf-

the part, and to permit the balsamic blood to effect after dipping it in a solution of the caustic in water, and covered with brown sugar; or of balsam-apple of the spine.* infused in spirit, answer no purpose, except that of giving unnecessary pain. When a small vessel has been divided and the blood flows freely, one or heated by exercise, work, or after a hot day. Per a sharp pair of scissors. Even when the lacera-tion of flesh or skin has been considerable, a union will be effected, provided the parts be united spee- tual tetanus, the same treatment is still to be purdily, and covered with the sticking plaster as above sued. After recovery from either forms of the directed. Dirt, and all foreign matters, it is ob-vious, should be removed in the first instance: quiet ble state, and in females particularly great care is to the part is indispensable.

Punctured wounds.—When a nail, splinter, or thorn, has penetrated a foot or hand, immediate the above treatment, by Dr. Lewis, of Pittsburg, (Med. such a cause that the terrible disease tetamus, or thor on the subject, in vol. 2, p. 297.

Trees taken from a forest are found to possess far with lint dipped in spirits of turpentine, and occa- as possible. Every source of mental irritation less fibrous roots than those taken from a cultivated sionally renewed to excite inflammation in the nursery. This is the reason that forest trees, raised in a nursery, are much more liable to grow, than those taken from uncultivated grounds. Curwen long tested, that it is recommended with confidence, be highly proper. The disposition to costiveness is has furnished a remarkable evidence of the benefit Instances have occurred of tetanus taking place six to be relieved by mild purgatives of easter oil, or of pulverization, in his "Hints on agricultural subjects." He grew thirty-five and an half tons of cab-foot, and the wound healed. The first symptom of Dysentery. bages, some of them weighing fifty-five pounds, on the tetanus is often a severe pain at the pit of the deserves particular consideration, inasmuch as it is

man, sixteen ounces of blood may be taken away.

more strips of linen or muslin, may be covered sons thus exposed are aroused from sleep by spasms with Canada balsam or sticking plaster, and applied to the part across the line of the wound. Even found very beneficial in such cases, as a first remefording relief to the pain in the bowels, in dysentein cases where a portion of flesh has been sliced nearly or entirely off, it should be instantly replaced and covered with the plaster, and lint over it; as weak snake-root infusion, taken as hot as possible signal success. If the pain continue violent after under such a circumstance, a union of the divided and kept up for three or four hours. If the stomach parts will take place. The handages should be permitted to remain until the wound is cured; say sion may be taken. If the disease do not yield to the belly will seldom fail of relief. In this stage, twenty, thirty, or forty cops of laudanum may be given a week or ten days. The part may then be soaked this treatment, the cold bath, with powerful frie- at night, if sleep cannot be obtained without it. in warm water, and the bandage cut through with tions, may be used, and the remedies given as before recommended.

If the rigidity of the body do not amount to ac-

*The medical reader is referred to the case eured by attention should be paid to the wound, as it is from Recorder, vol. 3, p. 170,) and to the remarks of the au- in the dysentery. (Coxe' Med. Museum, vol. 2, p. 159,

fibres is particularly apparent in trees and shrubs .- locked jaw proceeds. The part should be covered to be taken to keep the system in as tranquil a state

Dysentery.—This is a very serious complaint, and Treatment.—Open the punctured part and fill it year passes, without the newspapers announcing its with lint dipped in spirits of turpentine. If the prevalence in some part of the United States. The spasms are very violent, and the sufferer be a strong particular symptoms which mark the disease, are frequent calls to stool, with trifling but bloody dis-The cold bath must then be used, dashing two or charges, attended with great pain in the bowels and three buckets full of cold water in quick successions, and slight fever. The first point to be atsion upon the naked body; after which, powerful tended to is to open the bowels thoroughly, by mild friction, with coarse cloths, should be employ-purgatives. Epsom or Glauber's salts, and for chil-ed, and the patient put to bed. A glass of Ma. dren magnesia, are to be preferred. An ounce of deira wine is then to be given, regularly every half either of the two first, dissolved in a pint of hot hour, until a powerful impression be made upon the water, to which a grain of tartar emetic should be system. It is surprising how much wine may be added, may be taken at two doses in the course of taken in this disease, even by one not accustomed an hoor. They should be worked off with thin ferings, and even the loss of lives, which have taken to the use of it in health; and it must not be with gruel of corn meal. A prejudice prevails among place among people in the country, owing to their held from the fear of intoxication. If the disease some physicians, and with people generally, in fabeing unacquainted with the dangers, to which, does not yield to this treatment, the cold bath must your of castor oil as a purgative in this disease; but upon certain occasions, they were exposed; through be repeated. As the bowels are obstinately eastive, ample experience warrants me in saying, that it is their inattention to an apparently trifling disease or they must be opened by ten grains of calomel, and not supported by fact. This prejudice is grounded wound, or, to their neglect in applying suitable re-fifteen of jalap, or by castor oil, aided by glysters, upon the supposition, that the oil will sheath the medies, in the early stage of a disease; and have Ample experience authorizes me to say that opium, tender and inflamed coats of the intestines, as well therefore thought, that I might render an accepta-ble service to them, by calling their attention to a few subjects, and by suggesting the means of pre-relieves the spasm nor procures sleep, and inter-vention and relief, which will be found effectual and easy of application. My object is not to su-eessful. Externally applied in the form of lauda-tion and increase of disease. It has occurred to persede the necessity of a physician; on the connum, and mixed with oil, it may however be useful me to know of the deaths of several persons by the trary, if a good one be within reach, he ought to be by relieving the painful rigidity of the muscles of dysentery, in the year 1816, in Philadelphia, all of employed, and at an early stage of an aecident or the jaw and neek. The proportions of each should be when took repeated doses of easter oil. The safedisease; but it often happens that no one may be near, or that no apprehension of present or future danger exists, when there are grounds for serious alarm. In such eases, my advice will be opportune: should be given every hour during the disease, and the result with flannel, after being well anointed with the practice of the most eminent physicians; exclusive-nixture. A large tea-spoonful of Peruvian bark it may also happen that medical men will derive the tentward that the practice of the most eminent physicians; exclusive-nixture. A large tea-spoonful of Peruvian bark it may also happen that medical men will derive the tentward that the practice of the most eminent physicians; exclusive-nixture. A large tea-spoonful of Peruvian bark it may also happen that medical men will derive the tentward that the practice of the most eminent physicians; exclusive-nixture. A large tea-spoonful of Peruvian bark it may also happen that medical men will derive the tentward that the practice of the most eminent physicians; exclusive-nixture. A large tea-spoonful of Peruvian bark it may also happen that medical men will derive the tentward that the practice of the most eminent physicians; exclusive-nixture. A large tea-spoonful of Peruvian bark it may also happen that medical men will derive the tentward that the practice of the most eminent physicians; exclusive-nixture. A large tea-spoonful of Peruvian bark it medical men will derive the practice of the most eminent physicians; exclusive-nixture. A large tea-spoonful of Peruvian bark it medical men will derive the practice of the most eminent physicians; exclusive-nixture. A large tea-spoonful of Peruvian bark it medical men will derive the practice of the most eminent physicians; exclusive-nixture and the practice of the most eminent physicians and the practice of the most eminent phy useful hints from the practice I shall recommend, the treatment recommended should fail in making ounces of blood should be taken away from a grown as I should doubtless do, by reading their own ob- an impression on the disease, I advise the use of person, and a proportional quantity from a youth. servations on the subjects upon which I shall treat.

Dr. Hartshorn's plan, of inflaming the surface along linjections of warm water, in which a portion of starch has been mixed, and a tea-spoonful or two site, when the cut is not extensive, than to bind up the pair, and to permit the balsamic blood to effect after dipping it in a solution of the caustic in water. a union of the muscular fibres. The common ap- in the proportion of a drachm to the ounce, and to rubbed on the belly, and perspiration promoted by plications of brown paper, dipped in ardent spirits, apply it two or three times along the whole course covering it with flannel, by lying in bed, and drinking freely of rice-water, in which a stick of cinna-mon has been boiled. If it be possible to obtain the inner bark of the slippery elm, it should be infused in water and the mucilage taken freely and frequently. No article in the materia medica equals

The salts or magiesia must be repeated, at least every other day, diring the continuance of the bloody discharges. When they have ceased, and a simple diarhoea or lax remains, it may be gradually checked by the use \f laudanum at night, and a tea-spoonful of burnt bandy and white sugar, taken frequently in the course of the day. The diet in this disease must const of the mildest and most

^{*} Sesamum orientale. Se my account of this remedy Philad. 1806.)

bland food, as arrow-root jelly, jelly of calves' feet, are commonly caused by superabundance of acid in too strong; but when ploughed under early in its without wine; or, of flour boiled hard, grated, and the stomach and bowels. The proper purge for rough state, the whole ground becomes impregnated with loaf sugar. The utmost attention to cleanli- rates in a small dose,) mixed with peppermint in- ter than another. ness in this disease, is indispensable. Nothing offusion, or essence of peppermint and water. As it
fensive must be allowed to remain a minute in the
is perfectly safe, great caution in the dose is not ed from the same manure by drawing it out in the sick room: the sheets, linen, and bed clothes are to necessary, one or two tea-spoonsful may be given spring before decomposition takes place, than to be daily changed, and thin lime-wash kept in the in water. chamber utensil.

morning, with ten drops of laudanum, until the desired effect be produced. The disease vanishes pain do not abate, apply thirty or forty leeches to soon after the mouth becomes sore. But the remedy is not proper in the early stage of the com-

When the disease is epidemie, in a town or district, it may be often prevented by taking an oceanight gossipping of servants must be strictly prohiwith propriety be given, may prevent the spreading of the disease.

The diarrhæa, which often follows dysentery, may be cured by taking a weak watery infusion of the roots of the blackberry or dewberry shrub.

Colick.-This disease proceeds from various causes, as eating acid fruits or flatulent vegetables, drinking acid fiquors, exposure to cold, and worms in the bowels. It is sometimes the first symptom of an inflammation of the liver. In every case it should be early attended to, for the pain is not always proportioned to the danger. In simple colic of the bowels, 40 or 50 drops of laudanum, or a grain of opium, if taken within the first hour of attack, will frequently cheek or cure the disease. Hot spirits and water is the common remedy, but should be avoided. Whether sleep be, or be not obtained from the use of laudanum, it is indispensably necessary to open the bowels thoroughly, by taking an ounce of Epsom salts, dissolved in a pint of water, or a dose of eastor oil, to be worked off with thin corn meal gruel, to which a little salt has been the operation of the medicine, and tend to relieve the pain. When the bowels are obstinately bound, a laxative injection should be given.* During the operation of the medicine or injectior; care must be taken to avoid exposure to cold. If the pain return after the bowels shall have been opened, twenty or For want of a proper bathing tub a large washing tub may be used. In this the person may sit on a stool, surrounded by a blanket, vith his head out, and bathe his belly with the water: or if he cannot hour: he should then be speedily wiped dry, put to bed between warm blankets, and take a draught of weak warm ginger or mint tea Children in whom colicks frequently occur, are to be treated in the early in the spring, before decomposition takes place, same way: they can be immersed in warm water. In infants and young children, pains in the bowels

to touch the mouth with mercury. For this pur-for some hours, without any medicine being taken, out spreading. My observations are particularly pose two grains of calomel may be given, night and twelve ounces of blood should, if possible he lost, for barn-yard manure.

the belly.

Persons nabitually subject to colick should carefully avoid wet feet, exposure to rain, or to a draught of air when warm. Attention to diet is also requisite. Those who indulge in articles of sional dose of Epsoin salts or magnesia; by great diet or drink, which, however pleasant, are known attention to diet, avoiding unripe fruit and cucum- by them to be injurious, deserve no pity if disease bers, and unnecessary exposure to the night air, follow their use. In winter, they should wear a the hot sun, or to alternations of heat and cold. Hannel shirt, and regularly change it once a week. The dysentery is not necessarily contagious, but In warm weather a muslin shirt, under that commay become so, by inattention to cleanliness. When monly worn, should be substituted, and changed at the disease prevails therefore in a vicinity, all inter-least thrice a week. The feet may be kept dry by course with the sick, beyond what is required by wearing over-shoes of leather: or for short walks, the calls of humanity should be avoided; the idle shoes with wooden soles and leather vamps. If the soles be divided, and connected by a piece of leathbited. Advice respecting cleanliness, when it can er, the wearer will be enabled to walk more easily (To be continued.)

WHITE FLINT WHEAT.

MR. SKINNER, Washington, March 20, 1826.

Dear Sir,-I now sit down to answer the inquiries made by Mr. E. Watson, which you had the goodness to enclose me. The flint wheat which Mr. Watson speaks of has not been introduced into our part of the country, generally; few of the farmers have been able to obtain it, the price is so high, but few would purchase if an opportunity presented, for myself I cannot say any thing in favour of or against it, I have never sown any till last September.

The field of wheat which Mr. Watson wishes information respecting, the seed and quantity, and the manner of preparing the land. The field contained thirty-six acres, being summer fallowed, after peas, covered with barn-yard manure in the month of May, in its rough state; as soon as it was spread it was ploughed under to prevent the sun and rains from destroying any of its quality. The field was added. Bathing the feet in warm water will aid sown the 11th of September, 1824, with fifty bushels of the red chaffed white wheat, which has been the wheat mostly raised in the state of Vermont, for ten or fifteen years past. Ploughed four times and harrowed twice, with one thousand loads of manure in its rough state; ploughed under by the first of June. I commenced reaping by the 14th of July, thirty drops of laudanum, may be taken every half 1825. Experience has taught me to cut wheat with hour, until relief be obtained. The warm bath the joints of the straw quite green, particularly the 1825. Experience has taught me to cut wheat with should also be used, and will speedly ease the pain. For want of a proper bathing tub a large washing very much and more subject to grow in the field than any other kind that I have been acquainted with; believing it to yield more the acre than any other kind of wheat; I have sown it for ten years do this, let him sit over very hot water, having his past. The 36 acres abovementioned produced six-feet in a smaller tub of water less heated, for half an teen hundred bushels of the red chaffed white bold teen hundred bushels of the red chaffed white bold wheat.

From long experience, I have been convinced that manure should be drawn from the barn-yards and ploughed under in its rough state particularly for wheat by continued ploughing through the summer, say four or five times, the whole ground feels its effects; otherwise if it is piled in the spring, and what is commonly called, left to rot in heaps, and drawn on the fallow before the last ploughing and here and there a poor spot, and the rich ones quite

then boiled in milk with cinnamon, and sweetened them is calcined magnesia, (a medicine which ope- with the manure; you cannot discover one spot bet-

pile the manure and let it remain in heaps till July When the pain in the bowels is very severe in and August. It should be ploughed under as soon grown persons, or has been permitted to continue as it is spread, and not remain long in the field with-

C. MEECH.

COTTON PRESSES.

Petersburg, March 16, 1826.

Sir,-I observe in your valuable paper of 2d inst. No. 50,) a sketch of my Cotton Press, which is very correct, and for which I am much obliged to Mr. Smith. I have since built several in the country, which have given great satisfaction; perhaps it ought to be stated that it can be built and worked in a room of but nine feet pitch, the mouth being even with the floor of the blow room, and that the whole cotton (say 400 lbs.) is put in at once; any person wishing a press, can (by sending me \$20,) be furnished with directions, by which any mechanic can build one; it can also be adapted to pressing hay, and other articles. Respectfully

CHARLES WILLIAMS.

HORTICULTURE.

CATALOGUE OF FRUIT AND ORNAMEN-TAL TREES AND PLANTS,

Cultivated by Daniel Smith, Burlington, N. J. to which is added Observations, &c. on their treatment and culture.

(Concluded from page 6.)

Cider .Apples.*

Styre, English No. 63; East Jersey Red-Streak 124; English or Duchess county Red-Streak, with coloured flesh 66; Grey or Maryland Red-Streak 127; Black or Virginia do. 126; Harrison Apple 40; Campfield 35; Hewes's Virginia Crab 29; Roane's White do. 103; Belt's Berton do. 128; Bucks county or Solebury Cider Apple, T. 34; Gloucester White, of Virginia T. 10; Oilpin or Darthouse T. 47; Cana 117; Winesap T. 122; Cooper's Russeting T. 2; House or Greyhouse T. 67; Witherell's white Sweeting T. 110; Golden Rennet S7.

Peaches-122 cents.

Scarlet Nutmeg 17; Yellow do. 83; White do. 22; Early Ann 5; Livingston's N. York rare-ripe 36; Haines's early Red Freestone 59; Morris's Red rare-ripe 16; Monsieur Jean 1; *Red Magdalene, very fine 90; Sweet Water 24; Early White C. 36; Alberge or Yellow rare-ripe 60; Large early York 20; Royal Kensington 56; Coate's early Yellow Freestone 70; Malta large Freestone 33; Large early Red Freestone 3; Prince's Red rare ripe 31; Early Newington C. 15; Diana C. 12; White blossom or Willow Peach 18; Orange Peach 34; English Swalsh or Incomparable 27; Oldmixon Freestone 6; President 38; White luscious rare ripe or white cheek Malacotan 39; Freestone Heath 19; Large Red Freestone 4; Cole's Morris Red 43; Nagle's favourite large Yellow Freestone 65; Bellchevrouse 50; Red Catharine 48; Pine Apple C. 84; Royal George C. 14; *Tiendoux C. 66; Rose or double blossom 25; Yellow Pine Apple or Lemon C. 10; Largest Lemon C. 45; Hill's Madeira 35; Red cheek Malacotan 29; White Pine Apple C. 41;

† C denotes clingstone.

^{*}This may be composed of a pint of warm water, a wine-glass full of sweet oil, or melted hogs' fat, one do. of molasses, and one large tea-spoonful of table salt. A pewter syringe should always be used in preference to a bladder and pipe.

spread in the best manner possible, there will be to a bladder and pipe.

^{*} T denotes those which are good table fruit also.

Washington C 28; *Montrieul, large Red Free-stone 91; Congress C. 80; Oldmixou C. 11; Modeste cat Allemand 35; Egg Pear 26; *Winter Vergou-louse 58; French winter Vergoulouse 22; Cape May stone 47; Columbia 2; Binney's Red C. 23; *Boursian Red Freestone 89; Spanish C. 53; Golden ton 18; Brown's Winter 49; Tilton, or Ambrete 40; Purple 82; *Nonpariel.largest of Freestone Peaches St. Germaine 3; Winter Ruussellet 42; Large Cor-92; Yellow Preserving 9; *Late red Freestone 93; delier, or Pound 15. Favourite, large Red Freestone 57; Teton de Venus 55; Taylor's late large Yellow Freestone 72; Claret Clingstone 61; Old Newington C. 79; Large late Newington C. 41; Rodman's late Yellow Freestoce 13; Late Admirable 85; Late Freestone Heath 77; Large Yellow Freestone 8; Latest Yellow Freestone 63; Large late Heath C. 42; Algiers Winter C. 58; Green Winter S1.

Nectarines-25 cents.

Early Searlet, No. 9; Red Roman C. 4; Aromatic 2; Temple 1; Peterborough 6; Newington C. 7; Fairchild's C. 3; Elruge 10; Argyle 5; Golden C 8; Vermash 11.

Apricots-25 cents.

Large Early 2; Large Brussels 1; Masculine 14; Blanche 7; Gold Blotched 8; Algiers 5; Moorpark 12; Peach 4; Apricot De Nancy 15; Orange 11; Royal Persian 3; Breda 9; Grover's fine Breda 6; Black 10; Evans' large 13.

Plums- 37 & cents.

Cherry or Mirobalan 14; Chicasaw 20; Newton's early blue 50; Drap d'Or 5; Reine Claude 58; Green Gage 10; White do. 35; Blue do. 8; Peter's large Yellow do. 38; *Newton's do. 53; Bolmer's Washington, from New York, has measured above 6 inches round 43; Large Blue 37; Landreth's Magnum Bonum 19; German Prune 39, *Fothers ingham 57; Orleans 3; 'Coe's Golden Drop 56; Large long blue 36; Newton's long blue 51; El Copper 11; French Green 4; Muscle Plum 27; *D'Amature 64; Bingham 34; Cooper's large Red 7; *Blue Mirobalan 65; Apricot Plum 18; Red Im perial, Magnum Bonum 22; White Imperial, Magnum Bonum, or Egg Plum 1; *White, or Apricot rent Yellow 23. Mirohalan 66; Large Black Imperial, Magnum Bonum 40; Violet Hative 9; Large French Blue 32; winter Damascene 23.

Almonds-25 cents.

Shell 1; Double Flowering, or Dwarf 4.

Pears-25 cents.

Poire d'Ange, or Hativeau 4; Early Chaumontelle, Green Chissel, or Madeline 16; Early Catharine 50; E rly Bergamotte 6; Bellesime 14; Golden summer Bergamotte 43; *Petit Roussellet De Rheims 57; Auratte 36; Early Bell 13; Skinless, or Poire sans Peau 5; Jargonelle 8; Julienne Archiduc d'Ete, or Summer Beurree 30; Red Bergamotte 12; Bonne Grise 39; Large Sugar, or Bon Chretien d'Ete Musque 29; Musk, Spice, or Roussellet de Rheims 33; Washington (very melting) 38; Green Catharine 32; Beurree du Roi, or Butter Pear 1; "Grey Butter, or Buerice Grise 55; Seckel Pear 25; Crasane 2; *Grosse Burgamotte 63; Brown Beurree 27; *Le Poir D'Adam 62; Culottes de Suisse, or Verte longue pana heé 20; *Red Musk, or Muscat Rouge 52; Mouillebouche, or Verte longue 21; Cuisse Fall 45; *Winter Crasane 60; Orange d'Hyver 31; Alpine or Monthly 10.

Cherries-373 cents.

Virginia May 1; May Duke, or Griotte de Hollande 2; Swedish, or Belle Chevreuse 14; Turkish Begarreaux 25; White Heart 3; Bleeding Heart 7; Fraser's White Tartarian 35; Fraser's Black do. 29; Elkhorne 31; Yellow Spanish 30; June Duke, or Holeman's Duke 10; Griotte d'Allemagne 11; Amber 18; *Graffion 39; Black Courone 32; Large Honey Cherry, (very line) 17; *Harrison Heart 40; Begarreaux Blanch, or White Amber 42: *Begarreaux Rouge 43; Ox-Heart 5; Tradeseant 19; Black Orleans 16; Montmorency 12; Large Black Heart 23; Carnation 4; *Large French do. 44; Large late Bleeding Heart S; Late Arch Duke 22; Late Spanish 33; Manunoth, or German Duke 9; Plum- 26; Cooper's Wine Grape 37; Jordon's Blue, large stone Morello 34; Double Blossom 13; All Saints, or pendant flowering Cluster 21; Kentish early Pie Cherry 24; Large Morello 26; Small do. 27.

Quinces-25 cents.

Pear Quince No. 1; Orange do. 2; Portugal 3.

Figs-50 cents, to \$3, according to size. Brown (the best bearer) No. 1; Large Brown 2; Large White Genoa 3.

Gooseberries-25 cents.

Atlas 4; *Dean's Glory of England 5; *Ironmonger smut 54.

YELLOW.

*Taylor's Golden Talent 9; Golden Drop 10; *Rocket's Yellow 11; *Long Yellow 12; Transpa-

*Green Walnut 13; Satisfaction 14; Green Chis-Fall Copper 12; Miller's Spanish 42; Mogul 13; sel 15; *Ville de Paris 16; Green Gascoigne 17 Blue Damascene 24; Wetherill's Sweet 25; White English Green 25; *Irish do. 26; Large Round do. 27; Porcupine 28; Ne plus ultra 42; Dorrington 43; Duke of Bedford 44; Blakeley's Chissel 45; *Allen's Glory of Ratelift 46; *Green Oak 47; Green Soft Shell No. 2; Thin Shell, or Ladies 3; Hard Walnut 51; *Green Blush 52; *King's Pendant 53.

Grey 30.

Currants-12 cents.

Common Red No. 11; Common White 10; Large Red Dutch 1; Large White do. 2; Large Champagne pale red 3; English Red 8; English White 9 American Black 5; Large Black English 4; Missouri Currant with fragrant showy Yellow blossoms, discovered by Lewis and Clark, in passing through Louisiana, to the Pacific Ocean, 25 cts. 6.

Raspberries-124 cents.

English White No. 3; English Red 64, 4; Large or Thorny Ash 25, 5 White Antwerp 184, 1; Large Red do. 2; Brentford Red 6; American Scarlet 64, 7; American Black do. 8; Canada, or purple rose flowering 9.

land Green 47; Poire d'Auch 53; Harrison's large Red Chili 5; Bourhon Blush, very large fruit 25, 8; tiful pendant flowers 374, 8; Single White Althea Fall 45; *Winter Crasane 60; Orange d'Hyver 31; Alpine or Monthly 10.

Grapes-25 cents.

Early White Muscadine, or Summer Sweet Water 61; Resin de Notre dame Tasust 54; July Grape. Morillon Nuir Hative, or Early Black Cluster 30: White Sweet Water 4; Malvoisie 50; Muenier or Miller 51: Burgundy or Miller Grape 9; Auvergoenoir, Frue Burgundy, or Black Morillon 51; Black Madeira 31; Bland's Pale Red, or Powell's Grape 3; Ralston's White 55; Boudinot Grape 58; White Tokay 63; Blue Cartager 64; Montesquien 15; Assyrian 17; Grotzen 36; Savignion's Red 51; Chasselas 53; *Black Museadine 27; Clamer's White 9; *Large Blue Seedling, from the White Malaga 10; Large White Malaga 12; Red Frontiguae 32; Bordeaux Purple 33; Chocolate 34; Connelley's Grape 35; White Lisbon 16; Elliot's Large White 19; Black Hamburgh 41; *Black Lisbon 42.

Nutire.

*Early White No. 49; Smart's Elsingborough 1: Isabella 7; *Scuppernon 8; Orwigsburgh 11; Missouri Grape 48: Alaxander's or Schuylkill Muscadel fruit, and large bunches 15.

Forest Trees, of the first class,

White flowering Horse Chestnut 372, 1; Scarlet flowering do do 2; Sugar Maple 25, 3; Silver leaved do, do 4; Scarlet flowering do. 5; Spanish Chestnut with large eatable fruit 37½, 6; American do. 25, 7; Catalapa, admired for its showy flowers do. 8; American Cypress, of fine appearance 50, 9; Honey Loeust, or Thorny Acacia 25, 10; Cummon Locust, or Robinia Pseudacacia do. 11; Kentucky Coffee tree, or Bondue, with spikes of purple flowers \$72, Burlington Red No. 1; *Crow Bob 3; *Brundit's 12; Madeira Nut, or English Walnut do. 13; Round Black Walnut 25, 11; Butternut do. 15; White 6; *Red Bulifinch 7; *Large Red 29; *Brown Royal Walnut, or Shell Bark Hickory Nut do. 16; Pecan, 32; *Large oval Red 38; *Black 37; Smooth Claret or Illinois Nut 372, 17; Tulip tree, or White Wood, Holland 17; 'Great German Quetzer 59; Gwalsh 35; *Warrington 39; *Bullfinch 41; *Large Amber stately and very ornamental 50, 18; American Larch 30; *Wetherill's large 60; Swisser Plum 49; French 49, Small Amber, abundant bearers and free of or Harmatac do. 19; American Plane, or Buttonwood 25, 20; Lombardy Poplar do. 21; Athenian do 22; Geurgia do. or Cotton tree do. 23; American, or Shaking Aspin do. 24; American Bird Cherry do. 25; Weeping Willow do 26; Upright Green Willow do. 27; Yellow, or Golden do. 28; European Linden or Lime 75 to 125, 29; Red twigged do. do. do, 30; American do. or Basswood 50 to 100, 31; Chinese allanthees, by some called Tallow tree, or Tanner's Sumach 25 to 50, 32; Black Birch 25, 33; Paper Birch do 34; Maple leaved Sweet Gum do. 35; Sour Gum do. 36; Sassafras do. 37; White Ash

Second Class.

Prickly Ash, Angelica, or Hercules's Club 25, 39: European Judas tree, covered with showy purple Primitive, or Petit Muscat No. 19; Oignonette 37; Whitesmith 31; Transparent White 36; *English 40; American do, much like the above do 41; Whitesmith 31; Transparent White 36; *English 40; American do, much like the above do 41; Whitesmith 31; Transparent White 36; *English 40; American do, much like the above do 41; Whitesmith 31; Transparent Whitesmith 31; Transparen Fringe tree, with flowers resembling out paper 50, 42; White flowering Dogwood 25, 43; Laburnum, admired for its dusters of Yellow flowers do. 44; Persimmon or Aperican Medlar do. 45; Magnolia Glauca with very fragrant flowers do. 46; Snowy Medlar, or May Cherry, covered with White flowers in the spring dp. 47; Purple flowering Acacia, with beautiful clusters of flowers do. 48; European mountain Ash, or Scotch Roan, with clusters of Scarlet fruit, which remain several months 50, 49; American Mountain Ash do. 50; Tooth Ache tree,

Ornanental Shrubs.

Dwarf white flowering Horse Chestnut 372, 1 Double flowering Almond 25, 2; Southern Wood Madame 24; *Swans Egg 41; Ambrette 56; Orange Bergamotte 51; Broca's Bergamotte 17; *Prince's St. Germain 46; Autumn Bergamotte 7; *Satin 61; hant bois 2; English White do. 3; Large Pine Apple American Strawberry tree, or Burning Bash 25, 7; Crasane Bergamotte 11; *Antumn Bounty 49; IlolSpiraea, do. 26; Three leaved Bladder Nut, with its seed vessels resembling bladders do. 27; Snowberry, wood do. 36.

Evergreens-25 cents.

Common Box, for edging t22 cents per yard, or his profit. 64 each 1; Silver striped leaved do. 25 cents 2; American Holly do. 3; Swedish upright Juniper do. 4; Cherry trees grow best in a rich loam, they will Red American Cedar do. 5; White Cedar 37½, 6; not thrive well in a low wet situation; and like the Broad leaved Kalmia, or Laurel 25, 7; Narrow apple and pear, require while young, the ground to Arbor Vitæ 50, 17; American do. do. 18.

Vines and Creepers.

Pipe Vine or Birthwort, with broad leaves and flowers, like a Dutchman's pipe 25, 1; Scarlet Trumpet Creeper do 2; Stall Tree, or Climber do 3; Blue flowering Virgin's Bower 12t, 4; 'Travellers' Briar 25, 9.

Honey Suckles.

Monthly Fragrant 25, 10; Early Sweet Italian do. 11; English Woodhine do. 12; Scarlet Monthly Trumpet do. 13; Variegated do. 14; Asparagus Roots, per hundred 50 cents-per thousand \$4,00.

Peaches.

most any dry soil, but that which they appear to de- and that in due time hatching, its product feeds uplight in most is, a rich sandy loam: they grow well on the tender pulp, and at length occasions a very however, and even luxuriantly in some of our light large proportion of its fruit to fall from the tree, beand sandy land (N. J.,) if constantly tilled, and forc it arrives at maturity; it is a fact well establishhelped with a moderate portion of manure; and the ed, that the fruit does not suffer so much in this way, size and beauty, and especially the flavour of the where the ground is constantly trodden, as in walks ation; but to the successful cultivation of this deli-very fine crops of large fair fruit are produced; I cious fruit, two very formidable evils have opposed have been told by a very respectable friend, that by themselves; the worm, which attacks them in the paving round a nectarine tree to the extent of its root and a disease called the Yellows, the latter branches, he had obtained good crops of fair fruit made great devastation some years ago, in this from it several years; by the same means, I have no state, Pennsylvania and New York; defeating the doubtplums and appricots might be made to ripen their most skilful exertions to raise healthy productive fruit, where the ground is sufficiently rich; it is said peach orchards; but of late years, this malady, as of the Curculio, that it rises from the ground and well as the worm; seems to have abated its deleterious effects, they have been in great measure over-rising sun retires and secretes itself again in the come, by the vigilance and good management of earth; it is furnished with small wings, which enaour farmers and cultivators. The practice now ble it to make short flights, but seldom to go far at a common among those who raise peaches for mar-time; the hard surface by treading, or paying, preket, is to plant trees of one summer's growth from vents its finding shelter under the branches of the the bud, at the distance of from 15 to 20 feet asun-tree, and consequently it has to seek elsewhere for der, and use the ground so occupied, for raising a hiding place; thus very probably, the number of truck, that is to say, peas, beans, cucumbers and assailants are much lessened; but there is another

ted leaved do. do. 13; Changeable Hydrangia very showy and ornamental 50, 14; St. John's wort, with showy yellow flowers 25, 15; European small leaved paying well for the trouble and cost; but when a mains in some form or other until the warmth of Yellow Jasmine do. 16; Carolina large flowering peach or nectarine tree, will no longer produce per-spring brings it forth a Curculio, and by the time Syringa do 17; European fragrant do. do. 18; Tre- lect fruit, whether it is declining under the conta- the fruit begins to form, it is prepared to begin the foil tree. Ptelia Trifoliata do. 19; Yellow flowering gion of the yellows, or the depredation of the worm, work of its ancestor; if then the imperfect fruit as Bladder Senna, with white seed vessels 25, 20; Red it is equally important that it should be immediately fast as it falls were picked up and destroyed, can do. do. with Red do do. 21; Spice wood or Wild taken up, and root and branch consigned to the there be any doubt that the number would be soon Alspice do 22; Rose Acacia much admired do. 23; woodpile, for if suffered to remain, it will in the much reduced, and our crops of plams, &c. be more English Variegated Willow, with leaves neatly mot-tied do. 24; Parsley leaved Elder do. 25; Ninebark the poison of the disease, or a nursery for the in-been attacked in the branches in the same manner sects, that in their turns may deposit their eggs and as the morello cherry trees, probably by the same merease the new crops of the worm: I have not seen insect, but not to the same extent; the treatment rewith clusters of delicate snow white fruit in Autumn it answer any good purpose, to plant young peach commended in the one case would be likely to prevery beautiful 50, 28; White Lilac 25, 29; Purple trees on the site from which old ones have recently do. 124, 30; Purple Persian do do. 31; Snowball, been removed: the ground should be first well maor Guelder Rose 25, 32; Common Privet or Print pured, and time given for the roots of the old trees 124.33; Sweet Fern do.34; Lavender do.35; Worm- to rot, and the soil to recover what it had expended in the growth of the former crop, before it will be likely to satisfy the planter with a new orchard to

Cherries.

leaved do. very delicate 124, S; Evergreen Thorn, be cultivated and occasionally manured; the common with Scarlet fruit during the Autumn, Mespilus morellos have become subject for some years past. Pyracantha 25, 9; Balm of Gilead, or Balsam Fir, to the attacks of an insect, that stings the branches much admired for its beautiful growth and foliage and deposits its eggs, which soon hatching, prey 50 to 100, 10; White or Weymouth Pine, much upon the sap or tender bark, and oceasions the admired do to do. 11; Hemlock Spruce 50, 12; Black growth of excrescences, which bring on decay, and Spruce 50 to 100, 13; White Spruce 50, 14; Pitch, in a few years destroy the tree. I have not heard or Resin Pine 25, 15; Yellow Pine do. 16; Chinese of any experiment yet made, that seems likely to stop its depredations, and thereby prevent the loss of this choice and useful fruit; nor can I see any thing so likely to effect the purpose, as carefully to examine the trees several times during the summer season, and cut off all the twigs thus affected with the insect, and burn them; by this means the injury would be stopped, and the worms prevented from pass-Joy 25, 5; Evergreen lvy do. 6; White flowering ing into a state, capable of spreading the mischief Jessamine do. 7; Multiflora Rose 372, 8; Sweet another year; the plumstone morello and the English morello, do not appear to be subject to the attack of this insect, and the fruit is large, late and finely flavoured.

This fruit, from the naked, and while young, tender skin, is frequently much injured by a small bug called the Curculio, which perforates the skin of the Peach trees grow and succeed pretty well, in al- fruit soon after its formation, and deposits its egg,

ple do. 25, 11; Double White do. do. 12; Variega ground and keep it mellow, and their orchards gene- from the tree with the worm of the Curculio in it. vent the injury in a great degree in the other.

Asparagus.

The soil best calculated for the growth of this excellent vegetable, appears to be a light sandy loam, which should previously be made rich and mellow, eighteen or twenty-inches deep; the ground thus prepared, trenches are to be dug twelve inches wide, and the same depth with a space of two feet between, upon which the earth from the trenches should be placed: thus prepared, the plants should be placed in the trench one foot apart, one on one side of the trench, and the next on the other alternately throughout, with their faces to the bank, and the roots spread lengthwise of the treuch, and covered to the depth of two or three inches, with earth from the sides of the bank; in which situation the bed may remain the first summer, excepting that in the operations of hocing necessary to keep down the weeds, a portion of the earth may be drawn into the trenches so as gradually to fill them up to a level with the surface; the ensuing spring, the ground should be dug up, and covered lightly with coarse hay, in order to keep it cool and prevent the growth of weeds; the following spring, the litter should be carefully raked off, the ground dug or ploughed, and covered again with hay; it will do to cut for use the third spring, but when the season for cutting is over, I would recommend the covering with hay to be repeated, and so again every succeeding year.

RURAL ECONOMY.

BOILING MILK.

MR. SKINNER, March 21, 1826.

Sir.—Perhaps it is not so generally known as it ought to be, that the boiling of milk before it is set away for the cream to rise, will completely divest it, and of course the butter made therefrom, of the very unpleasant flavor arising from the cows having fed upon garlicky pastures—the boiling ought to be fruit, is seldom, if ever, exceeded in any other situ- and yards, especially in towns; in such situations continued for at least half an hour-this dairy secret, if it be one, I have learned from a female friend, who has been in the habit of availing herself of it for some years past.

Yours, truly, EDWARD TILGHMAN.

LADIES' DEFARTMENT.

A WHISPER TO A NEWLY-MARRIED PAIR.

(Continued from p. 8.)

A WHISPER TO THE WIFE.

"If possible, let your husband suppose you think him a good husband, and it will be a strong stimulus to his being so. As long as he thinks he possesses the character, he will take some pains to deserve it: but when he has once lost the name, he other vines, until the roots of the peach trees so oc-cupy the ground, and the tops so shade the surface, be attacked, that would probably do much in secu-ly remember at one time being acquainted with a I remember at one time being acquainted with a as to answer the purpose of raising those vegetables ring good crops of plums. &c. in almost any situa lady who was married to a very worthy man. Atno longer: they however continue to plough the tion where the trees will grow freely, the fruit drops tentive to all her comforts and wishes, he was just his manner to his wife was cold and comfortless, please him most, and indulge him by playing those and he was constantly giving her heart, though favourite tunes. Tell me, gentle lady, when was never her reason, cause to complain of him. But your time at this accomplishment so well devoted? she was a woman of excellent sense, and never up. While he was your lover, with what readiness, and braided him. On the contrary, he had every cause in your very best manner, would you touch the for supposing she thought him the best husband in chords; and on every occasion what pains did you the world; and the consequence was, that instead take to captivate! And now that he is become your of the jarring and discord which would have been husband, (methinks at this moment I see a blush It is not to your advantage, believe me, gentle lady, inevitably produced had she been in the habit of mantling in your cheek,) now that he is your husfinding fault with him, their lives passed on in un-band, has pleasing him become a matter of indifinterrupted peace.

I know not any attraction which renders a woman ascribed to magic: it gives charms where charms shut out at the same moment all discord and concult to amuse and please than women. Full of and affection. cares and business, what a relaxation to a man is the cheerful countenance and pleasant voice of the all times opening each other's letters. There is duty on his part can give a legitimate sanction to a gentle mistress of his home! On the contrary, a more, I think; of vulgar familiarity in this than of failure of duty on yours. The sacredness of those gloomy, dissatisfied manner is an antidote to affect delicacy or confidence. Besides a sealed letter is tion; and though a man may not seem to notice it, sacred; and every one likes to have the first read it is chilling and repulsive to his feelings, and he ing of their own letters. will be very apt to seck elsewhere for those smiles and that cheerfulness which he finds not in his own himself from home, and giving to others that socihouse.

In the article of dress, study your husband's

let him see you employed as much of your time as

possible in cconomical avocations.

In observing such trifles as these, believe me, gen-

some one not particularly welcome may come to subject. spend a few days with you. Trifling as these cirrecollect also, that the true spirit of hospitality lies. ners and sumptuous entertainments, but in receivto you, and those who want your assistance.

a man when his wife finds fault with his favouritesthe favourites and companions of his youth, and

out at night. When the window curtains are drawn, the candles lighted, and you are all seated after tea, efforts. round the fire, how can his time be better employcd? You have your work to occupy you: he has or foreign land, at once and without indecision, if and never think of accunothing to do but to sit and to think; and perhaps circumstances render it at all practicable, let your at least, this is the case. to think too that this family scene is extremely stupid. Give interest to the monotonous hour, by placing in his hand some entertaining but useful work versation.

what the world calls a very good husband; and yet piano or barp; recollect the airs that are wont to fortless, why not lessen those discomforts by your big manner to his wife was cold and comfortless, please bim most, and indulge him by playing those society? and if pleasure and gaiety await him, why ference to you?

Particularly shun what the world calls in ridicule, at all times so agreeable to her husband, as cheer- "Curtain lectures." When you both enter your ble. fulness or good-humour. It possesses the powers room at night, and shut to your door, endeavour to are not; and imparts beauty to the plainest face, tention, and look on your chamber as a retreat from Men are naturally more thoughtful and more diffi- the vexations of the world, a shelter sacred to peace

I cannot say I much approve of man and wife at

Perhaps your husband may be fond of absenting ety which you have a right to expect: clubs, taverns, &c. &c. may be his favourite resort. In this case, taste, and endeavour to wear what he thinks be-comes you best. The opinion of others on this mild reasoning;—but never—I again repeat—never subject is of very little consequence, if he approves, to clamorous dispute. And the fonder he seems of Make yourself as useful to him as you can, and quitting his home, the greater should be your effort to make yourself and your fireside agreeable to him. This may appear a difficult task; but I recommend At dinner, endeavour to have his favourite dish nothing that I have not myself seen successfully dressed and served up in the manner he likes best, practised. I once knew a lady who particularly In observing such tritles as these, believe me, genstudied her husband's character and disposition; tle lady, you study your own comfort just as much and I have seen her, when he appeared sullen, fret-Lis.

Perhaps your husband may occasionally bring haps a few friends, to spend the evening, prepare home an unexpected guest to dinner. This is not for him at dinner the dish she knew he liked best, at all times convenient. But beware, gentle lady, and thus, by her kind, cheerful manner, make him constantly watching the appropriate moment for rebeware of frowns. Your fare at dinner may be forget the peevishness which had taken possession treat. To convince without irritating, is one of the scanty, but make up for the deficiency by smiles of him. Believe it from me, and let it take deep and good humour. It is an old remark, "cheer-root, gentle lady, in your mind, that a good humour. Perhaps this may not be in your power: fulness in the host is always the surest and most moured deportment, a comfortable fireside, and a agreeable mode of welcome to the guest." Per smiling countenance, will do more towards keeping for direction, and then leaving to him the result. haps, too, unseasonable visitors may intrude, or your husband at home than a week's logic on the

Is he fond of fishing, fowling, &c.? When those cumstances may be, they require a command of amusements do not interfere with business or matfeeling and temper: out remember, as you journey ters of consequence, what harm can result from on, inclination must be continually sacrificed; and them? Strive then to enter into his feelings with regard to the pleasure which they seem to afford him, (as an old writer remarks,) not in giving great din- and endeavour to feel interested in his harmless ac- world, it seems the height of folly fastidiously and ing with kindness and cheerfulness those who come dog be your favourite also; and do not with a surly such worthless trifles to interfere with our comfort, look as I have seen some wives put on, say in his

world."

probably those to whom he is bound not only by be cold or wet, do not omit having his shirt and have seldom known a dispute between man and wife the ties of friendship, but by the cords of gratifude, stockings aired for him at the fireside. Such little in which faults on both sides were not conspicuous: Encourage in your husband a desire for reading attentions never fail to please; and it is well worth and really it is no wonder; for we are so quick sight-

determination be made in the beautiful and expres-Is he fond of music? When an appropriate mo- so to me, and more also, if aught but death part opinion, it was done so gently as scarcely to be perment occurs, sit down with cheerfulness to your thee and me." (Ruth i. 16, 17.) If his lot be com- ceived even by himself. She was quite as well in-

leave him exposed to the temptations which pleasure and gaiety produce? A woman never appears in so respectable a light, never to so much advantage, as when under the protection of her husband.

Even occasional separations between man and wife I am no friend to, when they can be avoided. to let him see how well he can do without you. You may probably say, "Absence is at times unavoidable." Granted: I only contend such intervals of absence should be short, and occur as seldom as possi-

Perhaps it may be your luckless lot to be united to an unkind husband-a man who cares not whether he pleases or displeases, whether you are happy or unhappy. If this be the case, hard is your fate, gentle lady, very hard! But the die is cast; and you must carefully remember that no neglect of ties which bind you as a wife remain equally strong and heavy whatever be the conduct of your husband; and galling as the chain may be, you must only endeavour for resignation to bear it, till the Almighty, by lightening it, pleases to crown your gentleness and efforts with success.

When at the Throne of Grace, (I address you as a religious woman.) be fervent and persevering in your prayers for your husband; and by your example endeavour to allure him to that heaven towards which you are yourself aspiring: that, if your husband obey not the word, as the sacred writer says, he may, without the word, be won by the conversation

(or conduct) of the wife,

Your husband perhaps may be addicted to gambling, horse racing, drinking, &c. These are serious circumstances; and mild remonstrance must be occasionally used to oppose them; but do not let your argument rise to foud or clamorous disputing. Manage your opponent like a skilful general, and at all events, make the attempt; first praying to God

Or, gentle lady, you may perhaps be united to a man of a most uncongenial mind, who, though a very good sort of husband, differs from you in every sentiment, What of this? You must only make the best of it. Look around. Numbers have the same, and infinitely worse complaints to make; and, truly, when we consider what real misery there is in the counts and chat respecting them. Let his favourite foolishly to refine away our happiness, by allowing

There are very few husbands so bad as to be des-Endeavour to feel pleased with your husband's hearing, "That Cato, or Rover, or Ranger, is the titute of good qualities, and probably very decided bachelor friends. It always vexes and disappoints most troublesome dog and the greatest pest in the ones. Let the wife search out and accustom herself to dwell on those good qualities, and let her treat If the day he goes out on these rural expeditions her own errors, not her husband's, with severity. your while to obtain good humour by such easy ed to the imperfections of others, so blind and lenient to our own, that in cases of discord and conten-Should he be obliged to go to some distant place tion, we throw all the blame on the opposite party, or foreign land, at once and without indecision, if and never think of accusing ourselves. In general,

I was lately acquainted with a lady, whose mansive language of Scripture: "Entreat me not to ner to her husband often attracted my admiration. leave thee, nor to return from following after thee: Without appearing to do so, she would contrive to The pleasure which you derive from it will encou- for whither thou goest, I will go; and where lead to those subjects in which he appeared to most rage him to proceed, while remarks on the pages thou lodgest, I will lodge: thy people shall be my advantage. Whenever he spoke, she seemed to will afford improving and animating topics for conpeople, and thy God my God. Where thou diest listen as if what he was saying was worth attending will I die, and there will I be buried; the Lord do to. And if at any time she differed from him in

he thought her the most superior woman in the start for the second heat, captain O'Kelly, who had and letters from my friends, and beg when you world,

truly, a look, a glance-completely possess the pow-ses." Done and done being done, he declared people on my journey and on my arrival to this this sink deep in your mind: remember, that to en- distanced! deavour to keep your husband in constant good-humour is one of the first duties of a wife.

(To be continued.)

SPORTING OLIO.



PEDIGREE AND PERFORMANCES OF ECLIPSE.

This celebrated racer was bred by His Royal Highness the Duke of Cumberland. Marske was sire of him, which horse was also His Royal Highness's property. Marske was a son of Lord Patmore's Squirt, and Squirt of Bartlett's Childers; Mr. Robinson's Snake mare was the dam of Marske; her dam Grey Wilkes, sister to Clumsy. Spiletta (the dam of Eclipse) was got by Lord Chatsworth's Regulus. The Godolphin Arabian was sire of Regulus. Spiletta's dam (Mother Western) was got by Smith's Son of Snake. Sir Robert Eden bred Spiletta, and His Royal Highness the Duke of Cumberland purebased her of Sir Robert, and, in 1764, (the year in which happened the most remarkable eclipse of the sun on record, and, indeed, he was foaled the Farmer, that information is wanted on the eause and day on which it occurred, viz. the tst of April,) Spi-curc of the distemper in dogs; I know nothing of the letta dropped a horse-foal, which, at one year old, cause; I have a dog that I have cured, he had the was cast, with others of his Royal Highness's stud, distemper very bad. I send you below, the mode I and sold to that celebrated sportsman, Mr. Wild-practised with him. If you think it worth publishing man, a Smithfield salesman, at a low price, who gave him the name of Eclipse, from the circumstance of his birth happening as aforesaid.

paid by Mr. Wildman for the colt, some quoting it this dose, and in ten days repeat the dose of calomel at York, Pa. capt Macey might be entrusted with at 20 guineas, whilst one lately mentions 75 guineas; and jalap. but the most authentic, i. e. that derived from the most veracious authority, is, that he was bought for

145, or guineas.

Eclipse was brought up in the neighbourhood of Epsom, in a hardy manner, i. e. not pampered so much as thorough-bred horses generally are, and is thereby supposed to have contracted an affection of the chest, his lungs being the first of the vital functions which gave way in his old age, if the defect were not occasionally perceptible before.

The principal cause of his being sold was that of

having the appearance of a very ordinary colt, but possessing those corresponding points which constitute the inimitably good racer; an agremen in conformation which ordinary judges could not discover,

as proved by the foregoing comparison.

At a proper age Eclipse was put into training; and in his trials proved, to the satisfaction of his owner, he was superior to any of his predecessors. Being a very bony and muscular horse, Mr. Wildman, (who was as good a judge as ever existed,) on weight for age; four mile heats. He was now five tering to the impatient vanity of the persons concerned. dollars.

formed (perhaps more so) and as sensible as himself, and yet she always appeared to think him superior in every point. On all occasions she would refer to him, asking his opinion, and appearing to receive information at the very moment perhaps she was herself imparting it. The consequence was, she was herself imparting it. The consequence was, and the local Mr. Fortescue's Gower, 5 their publick and personal concerns. So prompt I have been in recovering pleasing habits, and so much attached I feel to my new as well as my old connexions in the United States, that it seems to me quite strange to think this winter will pass without the local Mr. Fortescue's Gower, 5 their publick and personal concerns. So prompt I have been in recovering pleasing habits, and so much attached I feel to my new as well as my old connexions in the United States, that it seems to me quite strange to think this winter will pass without the local Mr. Portescue's Gower, 5 their publick and personal concerns. So prompt I have been in recovering pleasing habits, and so much attached I feel to my new as well as my old connexions in the United States, that it seems to me quite strange to think this winter will pass without the local Mr. Portescue's Gower, 5 their publick and personal concerns. there never was a happier couple, and I am certain der here set down. When the horses were about to Washington. I am eagerly waiting for the papers witnessed the powers of Eclipse, that he would not write to remember that at a distance minute parti-I repeat, it is amazing how trifles—the most in-significant trifles—even a word, even a look—yes, betted that he would undertake to "place the hor-The affectionate recep

of 150; 4 years old 8st. 5 lb; 5 years old 9st. 3 lb.; who, contrary to all expectation, is happily recotwo mile heats; when Mr. Wildman's Eclipse beat vered. I have passed, hitherto, most of my time at La Mr. Fettyplace's Crême de Barbe, both 5 years old, Grange; but am now going for two or three months

age, then carried 12st.

4. Two days thereafter he walked over the course

for the l50 purse, at the same place.

5. At Winchester, June 15, same year, he walked over the course for 150, four mile heats, not any his performances the first year of running.

6. At Salisbury, June 28, "the King's 100 gs." was run for by 6 year olds; weight, 12st.; and won by Mr. Wildman's ch. h. Eclipse, 5 years old, walking over the course. [Annals of Sporting.

(To be continued.)

DISTEMPER IN DOGS.

Williamsburg, . March 23, 1826.

DEAR SIR.-I observe in your last number of the you are at liberty to do so.

tive him the name of Eclipse, from the circumstance his birth happening as aforesaid.

Various sums have been mentioned as the price lomel and five of jalap, in three days after repeat

Respectfully, yours, RICHARD COKE.

THE FARMER.

BALTIMORE, FRIDAY, MARCH 31, 1826.

Extract of a letter from Gen. LAFAYETTE to J. S. Skinner, Editor of the American Farmer, at Baltimore:

"La Grange, Jan. 20, 1826.

"It is not an easy task for me to submit to the wide material separation which now exists between me and my American friends while my mind is constantly with them; and the regret for the loss of their society, mingles with an ardent sympathy in

*An age at which horses may be said to arrive at perfection of speed, if not of strength or tastingness; the practice of running yearling, 2, and 3 years old being Wednesday, May 3, 1769, started him for the No-blemen's and Gentlemen's Plate of 159, at Epsom, for horses that never won 130, matches excepted; in a national point of view, however profitable or mais-

The affectionate reception I have met from the er, at times, of either pleasing or displeasing. Let "Eclipse first, the rest no where;" and they were all part of the country, and the family and friendly enovments that awaited me, have been sadly tron-2. At Ascot-Heath, May 29, same year, a Plate bled by the illness of one of my grand-daughters, to town, saving some excursions to my farm. I 3. At Winchester, June 13, same year, "the King's must give you an account of the stock you so very 100 gs. for 6 years old horses, &c. 12st; four mile kindly assisted in forwarding and increasing. One heats." Here Eclipse beat Mr. Turner's Slouch, of Mr. Patterson's Coke Devons, the elder bull, died the Duke of Grafton's Chigger, Mr. Gott's Juba, on the passage; the three others have recovered Mr. O'Kelly's Caliban, and Mr. Bailey's Clanvil, at from the fatigue and are now in fine order.* The two heats. Betting 5 to 4 against Eclipse, he then giant wild turkey we have admired together, died being only 5 years old, all his competitors one year also at sea; his brother, and another from General older. Horses for his Majesty's Plates, of whatever Cocke, of Virginia, arrived safe; two small Virginia nia hens never could retrieve the injuries of the sea, but the males are very hearty. Your two hogs have well supported the voyage, and are better shaped than any I have seen, although I have chaneed to obtain the best of an importation from Engdaring enough to start against him. The above are land. The Virginia plough you have been pleased to forward, has been presented for examination to the Central Society at Paris. I expect their report. I am anxiously looking for the arrival of two models kindly promised; the one a steam machine, after that of Mr. Robert Smith-the other a threshing machine; this is sent by Gov. Sprigg, the steam one by Mr. Morris.t

Should they be ready to reach New York by the first April, capt. Macey who sails on the 5th, and comes himself to Paris, will take charge of them. Permit me to entreat your kindness for two other articles; I much wish to introduce at La Grange, the pretty American partridge, so called in the south, and quail, in the north, and the terrapin, about whose management I would need an instruction .-Capt. Maeey would take care of them, and if the kind friend, Joseph Townsend, who had found the manimoth Turkey, persist in his good intention to send some more, or you could get some of the tame breed, second or third generation, at the good Postmasters

I have on my farm a fine shepherd's dog, and can find a proper slut for him; but the more I inquire and see about those dogs, so very sagacious and useful here, the more I find that their principal merit is lost when they have not to execute the orders of a shepherd in the marshalling of a flock.

No letter from you, my dear sir; no number of the American Farmer has been received, although I hoped it might come by the last packet. Charles Lasteyrie, went to Italy immediately after my arri-

val; he is daily expected in Paris.

Although I had more to say of Agricultural concerns than European politics, nauseous as their diplomacy, cannot fail to be to our American taste; I will tell you in a few words."

*These were of the pure blood, all generously presented by Wm. Patterson, Esq. to the old "American

† Instead of a model, Mr. J. B. Morris sent him a complete and very elegant steam apparatus, for steaming food for 50 head of stock, with every thing prepared for immediate use. It must have cost several hundred

MARYLAND AGRICULTURAL SOCIETY.

TFAt a special meeting of the Board, held at Gen. Ridgley's, un Wednesday, 1st February-present, C. Ridgley, of H .- chairman.

R. Caton, J. B. Morris, D. Williamson, Jr. J. Hollingsworth, J. Carroll, Jr N. Bosley-trustees.

A memorial to the Legislature, praying a grant of money in aid of the funds of the Society, signed by the chairman and secretary of the Board of Trustees, on the Eastern Shore, accompanied by a letter; from Mr. Hammond (chairman,) urging the Board common Clover, Spring Barley, and Cotton Seed, re-of the Western Shore to join in its support, was commended as suited to Virginia and Maryland, by F. 11 submitted and read-when on motion, it was re- Smith, Eastern Shore of Virginia. solved, that this Board accord with the Trustees of the Eastern Shore in the sentiments of their memorial to the Legislature of Maryland, and will unite with them in its support, and that the chairman and secretary of the trustees, be authorised to sign the furnished gratis. same in behalf of this Board, and cause the same to be forwarded forthwith to the chairman of the Agricultural Committee, in the House of Delegates,

At a regular meeting of the Board, held on Thursday, 23d March, at Eutaw, at B W. Hall s, Esq's .present, B. W. Hall, chairman, pro tem. J Carroll, Jr., D. Williamson, Jr., trustees, J. Howard, secre-

On motion resolved, that the president, treasurer, secretaries and trustees, do forthwith commence their collections, and that each of them be required to pay to the treasurer, at least the sum of \$20, at or before the next meeting of the trustees, and that the secretary be required to communicate this resolution to each of the above gentlemen.

Resolved, that B. W. Hall, J. B. Morris, and James Cox, be appointed to procure the plate ne-

cessary for the next exhibition.

Resolved, that Jacob Hollingsworth, James Carroll, Jr. and D. Williamson, Jr. be appointed to prepare a list of Judges for the next cattle show, and that they report the same to the next meeting of the three horse prough.

Adjourned to meet at the residence of Jacob Hollingsworth, on Elk Ridge, on Thursday, the 13th

April.

Yucca Gloriosa .- A specimen of this curious plant is now in full bloom in a garden near Worcester; it has about 700 beautiful blossoms.

THE GRAPE.—No effort made in the U. States to red for that use, and for seeding grain.

Also, on hand, Ryland Rodes' much admired Hillsid raise or improve the grape, has been more successful than that of Thomas M'Call, Esq. of Laurens county. His wine from the native grape is superior to any the writer of this article ever drank, excepting the very first quality of foreign wine, which could with any propriety be brought into comparison with it .-- Milledgeville, Pa.

[We have received a bottle of Mr. M'Call's wine; the quality is indeed, excellent, and proves that the process of wine making is well understood by him. But what we value far more is, an essay by the same gentleman, on the culture of the vine and the manufacture of wine; which we shall carefully preserve until the first opportunity presents of spreading it before the numerous readers of this journal-in which more has already been published to encourage the growth of that fruit and to give information as to the process of its manufacture into wine, than per- continued-Observations on the means of preventing an haps, in all the other papers and journals of the relieving the accidents and diseases, to which farmer union, together.

MARKETING .- Beef, prime pieces, lb. 10 cents .-Veal, 8 ets.-Mutton, 6 to 8 cts.-Pork, 5 to 6 cts.-Butter, 25 to 372 ets .- Eggs, doz. 12 to 15 cents .-624 cents.

SINCLAIR & MOORE,

Have just received their spring importation of Garden and Field Seeds, in fine order, from London, per ship Belvidera-among which are Cabbage seeds assorted; Rutabaga and other kinds of Turnip seeds; shorttopped Scarlet, and a general assortment of Radish seeds; Peas, assorted; Broad Windsor; Green Genoa, and Early Mazagan Beans; Cucumber; Egg Plant; Lettuce, Undive, and Flower seeds, assorted, &c. &c.

Field Seeds - Luzerne, Sainfoin, Perennial Ray Grass, Fox-tail, White Clover, Spring and Winter Tares. In Store—Orchard and Herds' Grass, Sapling and

Fruit Trees - Among which are Peach and Pear trees of the late importation from France to New York.

Also, a general assortment of implements of Husbandry.

P S. Catalogues of trees and garden seeds will be

SAXONY MERINO, AND MERINO RAMS.

The subscriber, will offer at publick sale, in the village of Holmesburg, ten miles from Philadelphia, on the New York turnpike, on the 1st May next, his surplus Stock of Saxony Merino, and Merino Rams—consisting of 43 of the former, of one and two years old, being the produce of his imported Saxony rams and his original Mermo stock, inferior to none in the United States; and 22 of the latter, of three to five years-all superior woolled she p. Also, a few Lwes with lambs. Sale to commence at 11 o'clock.

WM. J MILLER.

DAVIS' IMPROVED PLOUGHS.

The subscriber, would inform the public that he has now on hand, an assortment of Globon Davis' IMPROVED PLOUGHS, which he will warrant to be equal to if not surpass any other plough in use for making good work, for easy draft, and cheap repairs—the following sizes are on hand, to wit:

12 inch Barshare with and without coulters, a large

10 inch Barshare with and without coulters, a smal

three or a large two horse plough. 10 inch cast shares with and without coul.crs, a large

two horse plough. 9 meh east or wrought top shares, with and withou coulters, a large one horse plough, or for two pomes.

8 inch Barshares and east shares with and without coulters, a one horse plough, sometimes used with two smalt ponies or mules.

Will have, in a few weeks, 9 inch with Barshares for rocky ground--Also, in a few weeks, in season for cultivating tobacco, 7 inch ploughs, which size is much admi-

Plough, and is likewise agent for the said Rodes.

Likewise Cultivators on an improved plan, and a ver superior Corn Sheller.

His Cynndrical Straw Cutters and Brown's Vertica Spinner for spinning wool, &c. kept on hand ready order as usual.

Mso made to order, Gideon Davis' substratum Plough and his various kinds of Shovel Ploughs, the latter much valued at the south for cultivating Cotton, particularly the oval and square Shovels.

All orders or communications by mail (post paid) wil be punctually attended to.

JONATHAN S. EASTMAN, No. 36 Pratt street, between Hanover and Charles street Baltimore.

CONTENTS OF THIS NUMBER.

Scientific Memoranda, applicable to rural economy are particularly subject. By Jas. Mease, M. D .- whit Flint Wheat-Cotton Presses-Catalogue of Dani. Smith' Fruit and Ornamental Trees and clants concluded-Or Boiling Milk-Whisper to a Newly-married Pair con tinued—i edigree and performances of Eclipse—Cur for Distemper in Dogs—Extract of a Letter from Gene ral Lafayette to the Editor-Proceedings of Trustees of Potatoes, bush. 75 to \$1.-Chickens, pair, 56 to Maryland Agricultural Society-On the Grape-Editorial-Advertisements.

PRICES CURRENT.

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			WHOL	ESALE.	D.E.2	TAIL.
r	ARTICLES.	per.	-			-
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1	BACON, and Hams,	lb.	7	8	e	12
1	DEDUCATION LAMB					
7	BEES-WAX, Am. yellow	-	33	54	40	50
-	COFFEE, Java,		16	17	20	25
	flavana,		15	17	18	20
	COTTON, Louisiana, &c.		15	17		
,						
. 1	Georgia Upland,		13	151		
1	COTTON VARN, No. 10,		33			
-	An advance of 1 cent.					
-	each number to No. 18.					
-	CANDLES Mand		1.0		1.4	4.0
	CANDLES, Mould,	1	12		14	16
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n	FLAX,	Ib.	9	11		
-	GUNPOWDER, Balti	25 lb	5 00		5 50	
	GRAIN, Indian Corn, .	bush	68	70		
-	Wheat, Family Flour,	_	50	85		
,	do Lamba		. 65			
5	do. Lawler,	_		70	1	
d	do. Red,		75	80	1	
l	do. White Flint,		2 00			
	Rye,		65	70		
	Parlar		90	95		
	Ol and Bad	1			4 50	
	Barley,	bush	3 75	4 00	4 50	
-	Ruta Baga Seed,	lb.	1			
-	Orchard Grass Seed,	bush	1 75		2 00	
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t	Beans White,	-	1 50		1 75	
,	HEMP, Russia, clean, .	ton	215	220		
5	Do. Country		120	130		
	HOPS,	lb.	25		37	
e	HOGS' LARD,		S	S 1/2		
_			24	25		
Ł	LEATHER, Soal, best,				0.1	
i	MOLASSES, sugar-house	gal.	45		65	75
	Havana, 1st qual.	—	25	261	371	
S	MEAL, Corn, kiln dried,	bbl.	3 00	3 20	3 75	
	NAILS, 6a20d	lb.	6 1		9	
t	NAVAL STODES TOR		1 25	1 50		
	NAVAL STORES, Tar,	bhl.		. 50		
, a	Pitch,	-	2	- 00		
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0	OlL, Whale, common, .	gal.	30		40	50
	Spermaceti, winter .	_	69	70	88	1 00
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e	SOAL Baltimore White,	lb.	12	14	18	20
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1.	Brown and yellow,			27	88	
y	WHISKEY, 1st proof, .		524	1		5(1
,	PEACH BRANDY, 4th pr	-	75	1 00	1 25	
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J	Lump,	-	16	18	20	
	SPICES, Cloves,	-	70		1 00	
11	Ginger, Ground,		7		1.5	
		1	17		25	
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SKINNER, Editor, by John D. Toy, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

SCIENTIFIC MEMORANDA-APPLICABLE TO RURAL ECONOMY.

(Continued from p. 10.)

Sap of Plants.

Plants receive their nourishment by absorption of their roots, and inhalation of their leaves. The atmosphere abounds with food for vegetables, and by the laws of chemical affinity, each plant attracts and retains from this great store-house of nature, such qualities, and in such proportions, as are necessary, with the aid of the absorbent vessels of the root, to develope and mature the properties which respectively characterize species and varieties .-Thus, the pepper, the peach, the onion, and the melon, growing in the same soil, and inhaling the same atmosphere, are endowed by the wonderful economy of nature, with the singular property of assimilating their peculiar food. It is ascertained, that the elements of all vegetables are very similar. and few in number; and that those most essential are carbon, (charcoal.) oxygen, (a constituent of the atmosphere and of water.) and hydrogen, (the other constituent of water. Nitrogen (another constituent of the atmosphere,) exists in some plants It is found in the glutin of wheat, and in all animals. It is the different combination of these elements, and of some few others in minute proporments, and or some less others in the vegeta-tions, that make up all the varieties in the vegetable kingdom. To return to our subject. vegetable and animal matter in the soil, decomposed or dissolved, and held in solution by water, is absorbed by the roots, where it immediately undergoes a partial elaboration, or change, as may be demonstrated, in winter or spring, by the sap of the maple, walnut and birch, which differ essentially from the moisture of the soil. In this state it is called sap. Many plants inhale food through the epidermis and bark of the trunk, particularly annuals

The sap is received at the root into longitudinal vessels, which convey it to the alburnum, or what is termed sap wood, between the heart and the bark, through which it passes to the leaves, flowers of animals, is thrown off by transpiration or perspiration; and carbonic acid gas and oxygen abstracted from the atmosphere. Its colour and consistence are changed. The transpiration of the leaves of plants has been particularly illustrated by the experiments of Dr. Stales, who found that a sunflower, three and a half feet high, transpired in twelve hours, one pound fourteen ounces The same philosopher also ascert incd that the force of the ascending sap in a vine, which he subjected to experiment, was equivalent to a column of water of more than forty-three feet. This theory of the ascent of the sap has been well demonstrated by Knight. He prepared some annual shoots of the apple and horse chestnut, by means of circular incisions, so as to leave detached rings of bark with insulated leaves remaining on the stem. He then Insulated leaves remaining on the stem. He then placed them in coloured infusions obtained by macerating the skins of very black grapes in water cerating the skins of very black grapes in water; and, on observing the transverse section at the end of the experiment, it was found that the infusion had ascended by the wood beyond his incisions, and cided. The greatest stress is laid upon gravitation. the pith nor bork, nor the sap between the bark and wood. His next object was to trace the vessels by which it is conveyed into the leaf. The apple and horse chestnut were still his subjects of experiment In the former, the leaves are attached to

one on each side. In the latter, they are attached dustry is of but recent origin. In so httle estimawhich the central vessels were detected as before: but the colouring matter was found to have peneapproaching again in the eye of the fruit, and terminating at last in the stamens.

When the sap has reached the leaves, and undergone the change we have noticed, it is called the proper juice, or cambium. It then descends descent; and if the branch is divested of its leaves, rising generation. it will die, because the leaves are necessary to elaborate or prepare the food. In autumn, nature forms a reservoir of sap, or vegetable blood, (says Knight,) in the alburnum of deciduous trees, as it evidently does in the bulb of the hyacinth and onion, and in the tuber of the potato; which sap it employs in the production of the leaves and blossoms of the succeeding season.

disputation among philologists. Grew ascribes it to its volatile nature and magnetic tendency. Malpighi to the contraction and dilation of the air contained in the air vessels. Duhamel to the agency of heat. Saussure to a species of irritability inhetion of the silver grain, assisted by heat and humi-But this is pretended to be disproved by the example of the weeping willow, &c.

AGRICULTURAL CHEMISTRY.

by means of several such bundles. Now the co-tion was chemistry held in Evelyn's time, that he loured fluid was found in each case to have passed through the centre of the several bundles, and through the centre only, tinging the tubes almost treat of soils chemically, was made by Kirwan about the whole length of the leaf stock. In tracing 1780, the next by Lord Dundonald, in 1795, and their direction from the leaf-stock upwards, they then followed Dr. Darwin's Philologia in 1800, and were found to extend to the extremity of the leaves; lastly, Sir H. Davy's lectures on agricultural cheand in tracing their direction from the leaf-stock mistry in 1802. Loudon, p. 265. The term chemisdownwards, they were found to penetrate the bark try, is repulsive to the ears of most farmers, who and alburnum, the tubes of which they join, de- consider its principles above their comprehension, scending obliquely till they reach the pith, which they surround. The experiment was now transis the case.—Its principles are interwoven with every ferred to the flower-stalk, and fruit-stalk, which operation of the farm, and a knowledge of many of was done by placing branches of the apple, pear its useful elements in husbandry may be acquired and vine, furnished with flowers not yet expanded, by an intelligent man in the leisure hours which he in a decoction of logwood. The central vessels can command. We scout the empiric or quack, were rendered apparent as in the leaf-stock. When who, without a scientific knowledge of the human the fruit of the two former was completely formed, system, and of materia medica, endangers life by the the experiment was made upon the fruit-stalk, in almost indiscriminate prescription of one or two specific potions. The processes of husbandry are as much induenced by fixed laws, as those of the trated into the fruit also, diverging round the core, healing art. Chemistry teaches these laws. It enables us to manage our operations with a degree of certainty and profit unattainable by the me e labour. And as science is best learned when combined with practice, the farmer, above all others, has the adthe proper juice, or cambium. It then descends through the bark, or chiefly between the bark and his daily labours. Within the last forty years, chealburnum, to the extremity of the roots. This was regarded by Malpighi, as being to the plant what manufacturing arts of Europe. It has probably regarded by Malpighi, as being to the plant what manufacturing arts of Europe. It has probably the blood is to the animal body—the immediate benefitted them, in the economy of labour and maprinciple of nourishment, and grand support of life. terials, and the perfection of their products, more In its passage down, it forms the annual circle of than fifty per cent. It will be no less useful to agrisap wood, and the growth of the tree is in propor-culture. But, as before observed, agricultural chetion to its supply. It is the cambium which insimistry, is in its dawn. There is no country better nuates between the bark and wood, and causes adapted for its nurture than the United States; none them to separate freely. It is to this that the bud, better fitted to develope its attainments and usefulin the process of inoculating, unites, and the re-ness. But the old are too old to learn. All we can moval of which renders the operation fruitless. It hope is, that, appreciating its benefits, provision is this which, if the bark is peeled from an apple will be made for condering our sons, in this branch tree in midsummer, protects the trunk, and is con- of knowledge, wiser than their tathers. In 1791, a verted into a new cortical layer. It is this which is seen to project from the edges of a wound, or par-States, to superintend the canals of New York. States, to superintend the canals of New York. tial decortication, in the form of wood and bark. New York has since established a practical school; By taking a ring of bark from the branch of a tree, and now furnishes civil engineers to most of her sisor drawing a wire tight round it, which are often ter states. Let her establish a school for teaching done to induce a disposition to bear fruit, it will be the science and practice of husbandry, and she shall, and fruit. It here undergoes a further elaboration. found, that the growth will be increased above, but like charity, be twice blessed—in the giver and rewill be little or nothing below the ligature, in con-ceiver-in the foresight and liberality of her counsequence of the proper juice being stopped in its eils, and in the intelligence and usefulness of her

Flux of vegetable juices,

May be occasioned by a superabundance of sap, bursting spontaneously, or issuing from wounds; sometimes it is injurious to the health of the plant, and sometimes not. Sometimes the alburnum is split by the expansion of the frozen sap. But a cleft thus degenerated often degenerates into a chilblain, The cause of the ascent of sap is still a matter of that discharges a blackish and acrid fluid to the great detriment of the plant, particularly if the soil is so situated that the rain or snow will readily lodge in it, and become putrid. The same injury may be occasioned by the bite or puncture of insects while the shoot is yet tender; and as no vegetable ulcer heals up of its own accord, the sooner a cure is attempted the better, as it will, if left to itself, ultimately corrode and destroy the whole plant, bark, wood and pith. The only palliative is the excision of the part affected, and the application of a coat of grafting wax. Wildenow, p. 354.

Classification of soils.

The term sandy should never be applied to any soil that does not contain at least seven eighths of sand; sandy soils that effervesce with acids should The want of a due appreciation of chemistry in be distinguished by the name of calcareous sandy the plant by three strong fibres, or rather hundles agriculture is not to be wondered at, when it is soils, to distinguish them from those that are siliceof tubes; one in the middle of the leaf stock, and considered that its application to this branch of inous. The term sandy soil, should not be applied to

No. 3. -vol. 8.

earthy impalpable matter, not considerably effer-rays of the sun; while one of the other materials for two weeks, is to be taken. Rest and silence vescing with acids. The word loam should be limi-mentioned, diminishes much of their force by its ted to soils containing at least one third of impalpa-bly earthy matter, copiously effervescing with acids. sun from its light colour. Another remedy is to avoid a blow on the head, great attention should be paid, A soil to be considered as peaty, ought to contain at the unnecessary severe exertion of the body, arising least one half of vegetable matter. In cases where the earthy part of a soil evidently consists of the decomposed matter of one particular rock, a name in the feelings of those the day after they have the sum of the containing the unnecessary severe exertion of the body, arising from the too common practice of competition for quick work among the labourers. The difference in the feelings of those the day after they have thus a sum of the labourers. When a limb has been sprained, and derived from the rock may with propriety be applied absurdly over-exerted themselves, and of others the accident happens at a distance from home, the to it. Thus if a fine red earth be found immedi- who leisurely finished their tasks, is very great. In sufferer should, if possible, be conveyed home in a ately above decomposing basalt, it may be denomirated basaltic soil. If fragments of quartz and mica be found abundant in the materials of a soil, which is often the case, it may be denominated granitic of the day, to renew their work. Some farmers soil: and the same principle may be applied to other upon a false pecuniary calculation, encourage such soil; and the same principle may be applied to other like instances. In general, the soils, the materials of which are the most various and heterogeneous, are those called alluvial, or which have been formed from the depositions of rivers; and these deposits may be designated as siliceous, calcareous, or argillaceous; and in some cases the term saline may be added, as at the embouchure of rivers where their alluvial remains are overflowed by the sea Oxide of iron is to be found in almost all soils, and is the general cause of their reddish brown colour. Where this substance is in evident superabundance, the term ferruginous clay, sand or peat, is very properly applied. The leading classes of soils, as far as cultivation is concerned, are calcarcous, argillaceous, ferruginous, aquatic, peaty and saline. - Davy.

In the agricultural establishments of Fellenburgh, at Hoffwyl, and of Professor Thaer, at Moegalin. in Prussia, the predominant earth constitutes the genus; the colour produced by its mixture with other earths, salts or metallic oxydes, the species; and the degree of commination, or of colour, the varieties.

-Loudon. The practical use of a nomenclature of soils is to indicate the grains, grasses and vegetables to which they are respectively best adapted. The terms wheat soil, barley soil, turnip soil, grazing soil, clover soil, &c. have already partially obtained among farmers Geological chemistry will enable us to adapt plants to their peculiar soil with greater certainty, and to save great labour and expense to the cultivator. London gives a list of plants that grow naturally upon different soils in britain

As the systems of roots, branches and leaves are very different in different vegetables, so they flourish most in different soils. The plants that have bulbous roots require a loose and a lighter soil than such as have fibrous roots; and the plants possessing only short fibrous radicles demand a firmer soil than such as have top roots or extensive lateral roots .- Davy.

ON DISEASES AND ACCIDENTS OF FAR-MERS.

Observations on the means of preventing and relieving the accidents and discuses, to which farmers are particularly subject. By James Mease, M D.

From the Memoirs of the Philadelphia Society for promoting Agriculture-Read May, June, July, August,

(Continued from p. 11.)

Harrest .- The harvests of both hay and grain duct of labourers. are times full of danger: from the heat of the weather, great bodily exercise, imprudent indulgence in the good sheer which is generally provided; from to the degree of injury received, and the age, habits the same remedy, and the return of the weakness accidents in carelessly handling the scythe and and constitution of the person injured. The sooner prevented, by washing the eyes with strong brandy sickle, and in stowing away the crop in barns or it is taken away, after the accident has happened, and water twice a day. stacks; and lastly, drinking cold water while heat- the better. The person should be bled if possible, ed. Against the effects of a heated atmosphere while sitting or standing up, so as to induce a faint-

to cut and secure the crop; a gentleman farmer chanical support to the joint. should always endeavour to do so When a geneits healthy action

if at hand, must be freely given: the first draught permitted to remain on.*

may consist of equal parts. The body should be well rubbed with coarse towels, dipped in hot whiskey and water, the temples chafed with pure whisches and water the first draught permitted to remain on.*

Injuried Eyes.—The remedies for a slight complaint, are opening the bowels by any of the medical water that the first draught permitted to remain on.* is to be stripped and blankets dipped in hot water must be laid over it, renewing them as they cool. given, if the power of swallowing remain.

men sliding down upon them. The master of a farm may often prevent such and other aecidents,

and blazing sun, a salutary precaution, is the use of a straw or chip hat, or of one made of pasteboard, with a broad brim to shade the neck. A heavy salts, or easter oil, should also be given, and entire black wool or fur hat, adds greatly to the heat of abstinence enjoined for one or two days, and then

any land which contains not less than one sixth of the head, by its weight and the absorption of the the least possible quantity of liquid vegetable food.

the one case, a stiffness in the limbs and a general carriage of some sort; the part is then to be bathed indisposition, are often the consequence; while in with cold water, and kept in a horizontal position. trials of speed. But exclusively of the risk of endure the confinement, unless he prefers a stiff health, and consequent loss of time, more is lost by joint or to risk a fall and increase of the complaint. running over a field, than is saved in wages and by walking before he ought to put his foot to the food. Good and clean work, more than speed, is ground. Even walking up and down stairs, to and from bed must be avoided. After the inflammation A greater quantity of ardent spirits than necessa- and swelling have subsided, the part must be gentry, is commonly used in the barvest field. A nomi-ly rubbed with the hand, upon which a few drops nal quantity per day is sometimes stipulated for, of sweet oil have been dropped, for ten minutes, but this seldom holds out, and a farmer who is three times a day: the good effects of friction in anxious to secure his crop, and keep his hired men removing the rigidity of a part are slow, but cer-in good humour, will not hesitate to indulge them tain. Bathing the part with warm water occasionin an additional supply, if demanded. Entire relief ally, before rubbing it, will assist in relaxing the from the disagreeable task of oneasuring out spirits muscles and tendons. After a severe sprain of the may often be avoided, by contracting with a person ancle, a laced boot should be worn to give a me-

Sore Lips.—'The febrile state excited in the sysral indisposition takes place after severe labour in tem by the heat of the weather, the stimulating the field, the best remedy is, an infusion of the food and strong drink, so freely consumed during rough wort, a plant growing along creeks and in moist places. It should be taken strong at first, to plaint, which is very painful and often continues for operate as an emetic and purge, and afterwards it weeks. Sometimes the cuticle of the lips will enmay be drunk weak, but warm, to promote perspitirely peel off. The means of cure are first, a ration, which it will do most powerfully. The per- purge of an ounce or half an ounce of Glauber's or son affected must lie in bed. If the head ache ten Epsom salts, or the same quantity of castor oil, a or twelve ounces of blood should be taken aray; vegetable diet for a few days, and a total abstiand as little nourishment as possible be given, until nence from salt meat. The lips may be bathed the stomach recover its tone, and the whole system three or four times daily with clear lead water, in the proportion of twenty grains to a pint of rain or A still more serious peril attends harvest. This spring water, and then covered with a soft linen is the sudden loss of sense and muscular power, rag smeared over with an ointment, composed of from imprudently drinking cold water, while the bees' wax and sweet oil, or fresh hogs' lard. If body is very warm. The remedies must be active pain attend the removal of the rag, the water may and speedily applied, or death will be the inevita- be applied without taking it off. A much neater ble consequence, even before a medical man can application is gold-beaters' skin, with which the lips attend. Whiskey or spirit, mixed with hot water, should be covered after using the lead water, and

key, while a large kettle of hot water is heating, with clear lead water; living on a vegetable or milk If possible, the sufferer should be put into a hot diet, wearing a light hat, and avoiding exposure to bath; but if a bathing tub be not at hand, the body strong light. When the complaint is severe, in addition to the foregoing, twelve or sixteen ounces of blood should be taken away from the arm; very low Hot toddy is also at the same time to be freely vegetable diet, strictly adhered to, aided by confinement in a dark room, and purges every third Serious wounds have sometimes happened, from day. If the disease be obstinate or attended with careless persons leaning a pitchfork against the side of a stack of hay or grain, with the forks up and temples by cups and leeches. This local depletion seldom fails to relieve The jelly of the pith of sassafras applied to the eye, will give ease. After by directing his attention to the thoughtless con- the inflammation is reduced, wash the eyes three or duct of labourers.

Concussion of the Brain, and Strokes on the Head, require the loss of more or less blood, in proportion a pint of water. Watery eyes may be cured by

* The gold-beaters' skin must be applied dry; if mois-

the light, and when exposed to a blazing sun, goggles must be worn.

heat of a fire. In some persons they are occa-derangement of the female functions, have all been of temperature in the open air, and in the house. In some cases the tooth, although it gave pain, ex-Various remedies have been prescribed for this hibited no decay.* troublesome disease. It is often removed by bathing the parts affected in cool water, twice or thrice daily, and keeping them in it until the itching and pain are allayed. They are then to be covered with a warm stocking or glove. In others, the application of spirits of wine, soap liniment, or a strong solution of alum, or of strong vinegar, or of a mixture of equal parts of oil of turpentine and balsam capaiva; a mixture of two parts of camphorated spirit of wine, and one of lead water; or a mixture of one part of tincture of Spanish flies, with six of soap liniment, in different cases have afforded relief. The means of prevention are, to avoid the causes mentioned. The complaint is often produced by exposure of the feet to partial draughts of cold air from a door, while the body is immersed in the warm air of the upper region of

Whitlows .- There are different species of this From D. of Columbia to Amsterdam, 3,526 painful disease, all of which should be attended to without delay. They often proceed from bruises, pricks of splinters, &c. No benefit arises from promoting suppuration in the part. The best practice is to diminish the inflammation by leeches, and the application of a blister; when the pain extends up the arm, attended by fever, twelve ounces of blood should be taken away. If suppuration takes place, make a free meision down to the bone. A full dose of opium may be given three quarters of an hour before the operation. Putting the hand in warm water after the use of the lancet, will ease From which deduct what remained the pain. If permitted to run its course, two months

of suffering will be often endured. Diseased Teeth .- General bad health and various constitutional irritations, without constant pain, often proceed from one or mure diseased teeth. No person ought to permit a decayed tooth to remain in his mouth, provided it is found to be too far gone to be plugged, an operation which is earnestly recommended as soon as possible after the discovery of a black spot. The progress of the decay of a tooth, after the appearance of the slightest defect, is gradual but certain. If it be on the side adjoining another tooth, it should be filed out. For either operation, a regular deatist should be employed. The sooner it is done, the less will be the deformity, pain, and expense, and the greator the certainty of insuring a continued use of the tooth, considerations all of importance. The too general neglect of their teeth, by persons resident in the country, often occasions an early decay of them. Those unacquainted with the laws which regulate the animal economy, and particularly with the powerful effects produced in the system, through the sympathy of the nerves, may find some difficulty in acceding to the opinion, that one or more decayed teeth could produce disease, or affect the continuance of one, in a part remote from the tooth. Such, nevertheless, is the fact. It may probably induce many to attend to the caution given respecting the propriety of removing decayed teeth, to state a few particulars on the subject. The incredulous may be prepared to admit the theory, from the well known fact of the alarming convulsions produced in children, by the irritation of the

The exposure of the eyes to the light must be The effects of decayed teeth in adults are not less gradual, after the inflammation has subsided, and remarkable. Violent rheumatisms in various parts two or three days must be employed in accommo- of the body, epileptic fits, dizziness in the head, dating them to broad day-light. Persons with weak long continued and severe pains in the head, intereyes, when reading, should sit with their backs to mittent fevers, and partial palsy, and that old complaint indigestion, which so many have recently found to be a new disease, under the fine name of Chilblains.—Are often produced from exposure "dyspepsy," abscesses in the cheek, and lastly, ulof the hands and feet to the cold, and then to the cers in the jaw and chin, attended with a general sioned by unavoidable exposure to the daily change cured by the removal of one or more decayed teetly.

(To be continued.)

MARYLAND TOBACCO.

Statement of Maryland Tobacco, shewing the quantity grown in 1820, 1821, 1822, 1823, and 1824, with an estimate for the year 1825; also the num ber of hogsheads shipped each year, with the sales in Europe, and the stock on hand there at the end of each year-commended to the notice of Ohio Planters by their friend J. S. Skinner, Editor of the American Farmer.]

Of the crop of 1820-shipped in 1821. From Baltimore to Amsterdam, hhds. 6,455 Rotterdam, Do. Do. Bremen. 2,953 Do. Stockholm. 130-13,277 Do. Rotterdam. Do. Bremen, 1,323 Do. Cowes & a market 2,267 Do. Nice. - 8,077

Number of hhds. shipped from 1st January to Sist Dec. 1821, 21,354 To which add remaining in the State 1st January, 1822, 8,848

hhds. 30,202 on hand, 1st Jan., 1821, in the 3,045

Which makes the growth of 1820, to be lihds. 27, 157

Of the growth of 1821-shipped in 1822. From Baltimore to Amsterdam, hhds. 6,098 Do. Rotterdam, 6,127 4,749 Do. Bremen, Do. Hamburg, 630 Do. Cowes & a market 338 Do. London, 305 Do. 130-18,377 Boston.

From D. of Columbia to Amsterdam, 2,686 Rotterdam, Do. 828 Do. 2,426 Bremen, Do. Cowes & a market 2, 75 - 8,715

Number of hhds, shipped from 1st January to 31st Dec. 1822, . 27,092 To which add what remains in the State 1st January, 1823, . . 13,380

hhds. 40,472 From which deduct what remained in the State 1st Jan. 1822, as corrected from statement of last year, 8,233, instead of 8,848, 8,238

Which makes the crop of 1821, to be hhds. 32,234

*For the satisfaction of the medical reader who may

		10
Of the ex	op of 1822—shipped	in 1000
r rom Bantmore t Do.	o Amsterdam, hhd	s, 6,220 7,885
Dυ.	Rotterdam, Bremen,	6,392
Do.	Hambarg.	1,080
Do.	Hambarg, Antwerp,	301
Do.	Stockholm, Liverpool,	117
Do.	Liverpool,	169
Do.	London,	125—22,289
Fran D of Colum	abio ta Amestandan	
r rom D, or Corun	nbia to Amsterdam	247
Do.	Rotterdam, Bremen,	805
- Do.	Cowes & a marke	
Number of hhds.	shipped in 1823,	32,903
Fo which add wh	at remained in the	2 182
State 1st Jan. 1	824,	8,476
		1.1.1. 41 970
From which dedu	et stock in Mary-	hhds. 41,379
land, 1st Jan.	1823, as before	
stated,		13,380
Which makes the	crop of 1822,	hhds. 27,999
	in Europe, 1st Jan. 1	
In Bremen, .	m, hhds	. 4,411
Amsterda	m,	12,651
Rotterdan	ts of Europe, say	5,249
All other par	ts of Europe, say	600-22,911
~ .		
	les in Europe in 182:	
In Bremen, .	· · · · hhds	. 6.572
Rotterdan	n, m,	8,087
Amsterdar	n,	7,282
An other par	as of Lurope,	1,200-25,141
Of the ave	op of 1823-shipped	in 1004
r rom Baltimore t Do.	O Amsterdam, hlid.	
110	Rotterdam, Bremen,	8,803 3,277
Do.	Hamburg, London,	402
Do.	London.	50
Do.	Stockholm,	116
Do.	Antwerp,	183—15,523
D 46.1		
From D. of Colum	nbia to Amsterdam	
Do. Do.	Bremen, Cowes & a mark	1,099
D0.	Cowes & a mark	et 915- 5,222
Number of hhds.	shinned in 1824.	20,745
To which add wh	at remained in the	20,140
State, 1st Jan.	1825,	7,687
		hhds, 28,432
From which dedu	ict slock 1st Jan.	
From which dedu 1324, as before	ict slock 1st Jan. stated,	hhds, 23,432 3,476
1824, as before	stated,	9,476
1824, as before	nct slock 1st Jan. stated,	9,476
1824, as before Which makes the	stated,	9,476 pe hhds. 19,956
1324, as before Which makes the Stock i	stated,	9,476 oe hhds. 19,956 825.
1324, as before Which makes the Stock i In Amsterdar	stated,	9,476 oe lihds. 19,956 825. 8.7,496
1324, as before Which makes the Stock i In Amsterdar Rotterdam	stated,	3,476 oe hhds. 19,956 825. 8.7,496 6,573
1324, as before Which makes the Stock i In Amsterdan Rotterdan Bremen,	stated,	825. 825. 8.7,496 6,573 2,560

sions produced in children, by the irritation of the wish to have more authorities than one for the evils of nerves from the pressure of one or more rising discased teeth, trefer to Dr. Darwin's Zoonomia, vol. 1, teeth from the jaw, against the nerves in the gums. sect. 25, 2d Dub. edit.; vol. 2, p. 169-172-330. Philad. Cooper's Surgery, p. 6, 7, London, 1824.

Sales in Europe in 1824.

Amsterdam,

1,300-18,429

500-26,407

11,244

6,902

Lundon,

The state of the s	10.1	-
Of the crop of 1824—shipped in	1825.	lu
From Baltimore to Amsterdam, hhds.	0.095	W
Do. Rotterdam,	8.788	18
	6,554	S
	545	tÎ
Do. Hamburg,	03.1	so
Do. London, Do. New York and \(\)	204	11
Do. London, Do. New York and to coastwise,	700—19,114	p
		lii
From D. of Columbia to Amsterdam,	2,060	111
Do. Rotterdam, Do. Bremen,	256	W
Do. Bremen,	1,636	S
Do Cowes & a market.	3,305	p
Do. Provi dence,	100- 7,357	G
		- I հ
Number of hhds. shipped in 1825,	26,471	S
To which add stock remaining in		16
the State, 1st Jan. 1826,	7,371	b
		c
	lehds. 33,349	1
From which deduct stock, 1st Jan.		ΙĬ
1825, as before stated,	7,687	f
		1
Which makes the crop of 1824, to b	e hhds. 26,155	
		- 5
Stock in Europe, 1st Jan. 18	326.	0
		1
In Rotterdam, including two	5.059	Hi
ships not arrived, . hlids	5,829	I
Amsterdam,	4,700	V
Bremen, London,	1,422	-
London,	400	1
Hamburg,	200—17,809	
All other parts,	200-11,003	. 0
		le
Sales in Europe in 1825		lo
In Amsterdam, hhds	. 7,825	
Rotterdam,	9,582	V
Bremen,	7,452	Is
Bremen,	600	li
London,	330	-
All other parts,	400-26,189	<u> </u>
		= a
_		
Estimated crop of 1825, (to be ins	pected	lí
in 1826,) is	. lihds, 26,000	
111 10409) 10		= 3

ON GRAZING.

[We take pleasure in copying from a Delaware paper the following sketch of the enterprise and success of one of the most respectable and judicious graziers, on whom our market depends for those solid items of comfort and good living-beef, mutton, pork and butter.]

Grazing -We have received from a friend of Mr. Barney, a statement of the product of his grazing establishment, some notice of which was recently presented to the view of our readers, in a MR. SKINNER, communication in our columns. As this statement will be likely to be highly interesting to a large portion of our readers, and may be of considerable service to many, we feel a pleasure in laying it before weaning? If so, the information would oblige, them.

Mr. Barney has resided in our state nine years, within which time he has raised the greatest part, and fed and disposed of all the following animals In the year 1816, November 31st, he sold to Rusk and Kelso, of Baltimore, 70 head of oxen, at \$90 place at New York on Wednesday week. The per head, amounting to \$6,300; each weighing uphighest sale was that of a buck, which was purchase wards of 900 lbs. and carrying 150 lbs. of rough tallow. In the spring of t817, he sold to G. Elliot. of the same place, 8 Bakewell sheep, for \$27 50 each, all wethers. In the following spring, he had 22 Hulbert, of Winchester, (Conn.) purchased a very sirable, or would be more saleable than such contrivances: why then are they not in general use? Where are slaughtered for the same market, which brought fine ewe for \$60, for which he was offered \$120 thim \$450; and in 1819, he sold to Mr. Elliot 17, for \$350, the aggregate weight of which was 1960 lbs. and the rough tallow 36. lbs. He sold, at the same this description of sheep, that he has, within a few test of the same for possessing the control of the same market, which brought fine ewe for \$60, for which he was offered \$120 they to be seen? Who has, even for two years, used a horse mill for grinding for family use? Who has seen this description of sheep, that he has, within a few test of the same for possessing the same that the same the same that the has within a few test of the same that the same they not in general use? Where are they to be seen? Who has, even for two years, used a horse mill for grinding for family use? Who has seen the same they not in general use? Where are they to be seen? Who has, even for two years, used a horse mill for grinding for family use? Who has seen they not in general use? Who has seen they not in general use? Who has seen they not a sufficient to the same they not in general use? Who has seen they not have the same they not in general use? Who has seen they not have the same they not have the same that sufficient to the same they not have the same they

shich weighed 2090 lbs. nett beef, and the other for another. 8511 lbs. nett beef; some further particulars repeeting which oxen and sheep, are furnished in he American Farmer, Vol. 1. March 25, 1820, he old to the latter gentleman a cow weighing 1842 bs nett beef, and a heifer of 1117 lbs. nett, for \$15 1812-Beasts, per hundred, amounting to \$368; and, at the same ime, to Geo. Pepper, a hog, for \$85, weighing 675 bs. and to G. Elliott 31 sheep, for \$450, all of which vere slaughtered in Baltimore, March 8, 1821, he sold to J and G. Rusk, 3 steers, 4 years old, for \$15 per hundred, weighing 4190 lbs. and remarkably at; a rump of the largest of which was presented, by Gen. Ridgley, to the President of the United States. On the same day he sold to Mr. Elliot 31 at wethers and ewes for \$371. March 18, 1822, he sold to Wolpert and Miller, of Philadelphia, a one and two years old, for \$520, weighing 3834 lbs. nett mutton, and to G. Bowers, a hog, weighing 751 bs. nett pork, for \$75. March 8, 1824, to James Elmore, a five year old steer, for \$15 per hundred, knowledge, so copiously contributed to your excelweighing 1607 lbs. and amounting to \$241 05, to lent paper for public benefit. Thomas Curtain, 16 sheep, at \$13 per head, and to G Bowers, 2 hogs, for \$90. January 26, 1825, to Charles Nonater & Co. of Philadelphia, a five years old twin heifer, for \$420, the four quarters of which contained 1678 lbs. nett beef, and one four years contained 1678 lbs. nett beef, and one four years of which parts is firmly affixed to the upper plate, old steer for \$100, and weighing 1397 lbs. nett beef, and one to the lower. The upper plate is perma-And a short time since, 46 sheep, in Philadelphia weighing upwards of 4300 lbs. The whole of the sales above stated amount to upwards of \$13,500, top; there is a hole through this plate, correspondin less than nine years and six months! It may be observed that the last mentioned hei-

for \$40, amounting in all to \$806 75, were all descended from the cow sold to T. and G. Rusk, for when the plates are put together for working, pass-\$201 30; and which cost Mr. Barney but \$50; males into the curb, and nearly through it, forming the king the sales of the cow and her descendants breaker, for breaking all articles fine enough to be \$1008 15; exclusive of the cheese and butter made received between the plates. The spindle of the from the two cows. The twin heifer was a cross of mill passes through this breaker, and is regulated Gen. Ridgley's Bakewell breed of cattle, and was a

very remarkably fine beast.

So much for Mr. Barney's establishment; and such is a sample of what the state of Delaware is susceptible of being made to produce under proper management and attention.

DISEASE OF PIGS-INQUIRY.

Can any of the correspondents of the American Farmer, suggest a remedy for the violent purging to which young pigs or shoats are subject soon after

A SUBSCRIBER.

SALE OF SHEEP IN NEW YORK.

The sale of Mr. Candler's Saxony sheep, took time, to John and Goo. Rusk, the Delaware and Co-weeks, sold a pair of twin lambs, before they were ciple of the coffee mill are common, and answer their

unbus oxen, for 314 cents per pound, the last of a fortnight old, for \$430, and has been offered \$200

CATTLE AND SHEEP AT SMITHFIELD, LONDON. 1811—Beasts, 125,021, Sheep, . . . 966,400 183,854, Sheep, . . . 958,630 1824-Beasts, 170,207, Sheep, . . 1,394,467 1825—Beasts, 169,038, Sheep, . . . 1,244,300

RURAL ECONOMY.

CAST IRON GRIST MILL.

MR. SKINNER, New Jersey, near Philadelphia. In the 40th number of the Farmer, my attention was drawn by Mr. Smith, of Virginia, to a late invention of a east iron grist mill, represented "to be capable, with one horse, of grinding 10 bushels of cow for \$105 70, the four quarters of which weighed wheat or rye per hour, sufficiently fine for flour." 1057 lbs, nett beef; and, at the same time, to Peter This mill seemed valuable to this and other neighnekle 33 sheep, weighing 3385 lbs. nett muttor, bourhoods, where water mills are not numerous; for \$495. March 29th, 1823, to James Elmore, of and from the inconveniences of last summer's drought Baltimore, 2 steers, 4 years old, weighing 1405, and especially, I have been at some trouble to investigate its merit. I have profited by the diversified for the same year, to Thomas Curtain, 40 sheep, information of your many correspondents: I would, especially, I have been at some trouble to investigate its merit I have profited by the diversified therefore, as a token of my obligation to them, add the following description of the structure, perfor-

mance, &c. of said mill, to the common stock of

The mill is composed of two circular cast iron plates, t8 inches diameter and 1 inch thick, finely furrowed alike, with a breaker, consisting of two parts, for breaking ears of corn, plaster, &c .- one nent, and has attached to it a curb, or hopper, 6 inches diameter at the bottom, and 15 inches at the ing with the bottom of the curb: the interior of the curb is lined with angular teeth or jaws, reaching fer, which brought \$420, the cow sold to Wolpert from the bottom nearly to the top. The lower and Miller, in 1822, for \$105 70, the steer sold to plate is the runner, and has attached to it a conjugate to the sold sold cally shaped breaker, from 4 to 5 inches diameter, in 1824, for \$241 05, and two calves sold cally shaped breaker, from 4 to 5 inches diameter, the sold of the by two cross bars, one at the top, and one at the bottom of the mill, and passing through them. It runs on a pivot in the usual way, and is centred on a bridge tree, to be raised or depressed, as fine or coarse grinding is required. Two horses grind from 8 to 10 bushels of ears of corn for provender per hour; and from 6 to 8 bushels of rye per hour, fine enough for distilling. Four horses grind from 12 to 14 bushels of ryc per hour. Were these mills driven by water, they are supposed to be equal to 44 feet mill-stones in execution. They require but little room, and only the same wheel work as other horse mills. The price of a single right with a mill, exclusive of gearing, is one hundred dollars. A single mill weighs about 250 lbs.

With respectful consideration, D. G. S.

^{*} Mr. Smith does not vouch for the truth of it:-We do not believe there is any such mill to be relied on for grinding with one horse one bushel of wheat per hour, fit for family use: much is said in the papers of these labour-saving family mills, and surely, since droughts and the rough tellow 36. lbs. He sold, at the same this description of sheep, that he has, within a few The fixtures for grinding plaster of paris, on the prin-

LADIES' DEPARTMENT.

A WHISPER TO A NEWLY-MARRIED PAIR-

ON CONNUBIAL HAPPINESS. (Continued from p. 8.)

of the moment, without in the least degree intending braid him, and make his home uncomfortable; -and character of a matron-O! that our British matrons to annoy you, your husband may toy, and laugh, and flirt, while in company, with some pretty girl present. This generally makes a wife look foolish; and it would be as well, nay much better, if he did not do so. But let not a shade of ill humour cross need be no disputes about power and superiority, and saying, "I will have it so. It shall be done as I your brow, nor even by a glance give him, or any and there will be none. They have no opposite, no like." But I should hope the number of those who one present, reason to think his behaviour annoys you. Join in the laugh and chat, and be not out-just ground for opposition of conduct." done in cheerfulness and good humour by any of the party. But remember, gentle lady, there must lady, to the following advice.-Whenever any little be no acting in this affair: the effort must extend to discord or coldness takes place between you and your mind as well as your manner; and a moment s reasoning on the subject will at once restore the duty rather than his, and never close your eyes in sleep banished sunshine. The incomparable Leighton till you have endeavoured to obtain a reconciliasays, "The human heart is like a reservoir of clear stir the mud, and the water gets all sullied. In like manner, dues some strong passion or peevish feeling rise in the heart, and stain and darken it as the mud does the water." But should there be a prospect of your husband often meeting with this lady in question, endcavour at once to break off the intimacy by bringing forward some pretext consistent with truth, (for to truth every thing must be sacrificed,) such as, You do not like her; the intimacy is not what you would wish, &c. &c. Never, however, and make your husband think you prone to jealousy—a suspicion a woman cannot too carefully guard against And there is often in men an obin the world by a wife.—A jealous wife (such is the erroneous opinion of the ill-judging world) is generally considered a proper subject for ridicule; city and a woman ought assiduously to conceal from her husband, more than from any one else, any feeling suspicions may be totally groundless; and you may possibly be tornicating yourself with a whole train hensions, and remember, a man can very ill bear the idea of being suspected of inconstancy even when work is accomplished .-- And now let me for a moguilty; but when innocent, it is intolerable to him. ment indulge in the blessed supposition that you are old man; and though possessing both sense, merit,

visit with her an attractive girl. Novelty and constant opportunity are so powerful, and the young lady, full of vanity, and wholly divested of care, forms perhaps a very agreeable contrast to the many anxieties and annoyances which may at times both be presented faultless before the throne of gives him no pleasure to see you dancing and chatcloud the brow of the best tempered wife in the God's glory with exceeding joy! (Jude 24.) world. Do not entangle yourself with the eause, if it can be avoided; and you will not have to lament

its effects.

But let me for a moment suppose a circumstance occurs in which your husband's heart is entangled, or that there appears a danger of his affections being drawn from you. This in truth, is the bitterest wound a woman's heart ever received, and none but God can direct her aright. To him, therefore, (if she be under the influence of religion.) she will at once go, and at his footstool pour forth every thought of her heart. The comfort she implores she certainly will receive; the guidance she solicits will assuredly be granted. "The wife forsaken and

end; but we wish to see the flour mitt: we believe there is nothing better than the old fashioned hand mil!. will gratuitously circulate for the inventor or proprietor and prudently arrange his household. He seeks not a knowledge of any such mill through all the states.— a coquette, a fashionist, a thirt; but a comfortable ED. AM. FARM.

gricved in spirit," is an object of peculiar care to an angry debate. Gentle and wise remonstrance Perhaps on some occasion or other, in the frolic may most probably make him all you wish. Up- tion of assuming for the future the dress as well as a hundred to one he is lost to you forever.

"If husband and wife keep within their proper dians! department, if they confine themselves to the sphere separate interests, and therefore there can be no

Let me intreat your particular attention, gentle on the subject. your husband, remember that concession is your tion. Tell him the resolution you have formed; and he would not find you so very forgiving, but really you should dread breaking through your determination. Again let me intreat you to adopt this plan: not, you cannot without experience, know the wideills it may prevent.

Many a matrimonial dispute occurs, not so much from an unwillingness to give up the contested point, as from a dread of being conquered Beware of the should combine with better motives to prevent it. avow the real reason: it will only produce discord, slightest approach to contradiction, and be assured every little dispute between man and wife, even in itself of the most trivial nature, is dangerous. It forces good humour out of its channel, undermines aggravations, it only gives food to the busy whisper stinacy which refuses to be conquered of all beings affection, and insidiously, though perhaps insensibly, of the malevolent, and, as the witty Richardson says, wears out and at last entirely destroys that cordial-

Without intending it, I find I have prolonged my remarks on this subject to an extraordinary length of the kind. Besides, after all, gentle lady, your I will now therefore endeavour in a few words to sum up the whole matter. Do you wish, gentle lady, to make your husband good, mild, tender, of imaginary evils. As you value your peace then, amiable; in short, all that he should be? Let me keep from you, if possible, all such vexatious appre- whisper to you the secret: Endeavo's by prayer and every effort to make him a religious man, and the wherever she appears. I never would recommend a wife to have on a both in the fold of Christ, and heirs together of the grace of life Then, in truth, happy was the day this circumstance make you peculiarly circumspect

Chapter III.

ON PRUDENCE AND DECORUM.

"Though a woman before her marriage may be admired for her gaiety, her dancing, dress, painting, singing, &c. yet after it, we expect her character to display something more substantial. To a man who must spend all his days in her company, these little superficial decorations would speedily become insipid and unimportant. Love can be preserved only by the qualities of the heart, and esteem secured by the doniestic virtues."

"A man does not want to be dazzled in his matrimonial connexion, or to possess a partner who seeks the admiration of coxcombs or beaux. He wants a person who will kindly divide and alleviate his cares,

assistant, companion and friend."

"On the day of her marriage," says an admired Omnipotence; and her sighs and tears shall not be writer," a woman's tour of gaiety should end." In unnoticed. On this important subject, all I shall one of the Gentoo countries, during the weddingsay is, let circumstances, discretion, and good sense day, a large fire is made, and the bride enters with be your direction. But, as you value your peace, a little basket in her hand, containing all her ornaas you hope to win your husband back again, avoid ments, rude and simple as they are-shells, beads, &c .- and flings them into it; intimating her intenwould take a hint from these wild and untutored In-

How indecorous, offensive, and sinful, is it to see allotted to each by Providence and nature, there a woman exercising authority over her husband, adopt this unbecoming and disgraceful manner is so small as to render it unnecessary for me to enlarge

Never join in any jest or laugh against your husband. He may be a plain and insignificant, even a ridiculous man: be it so; why did you marry him? You should have known all those defects before marriage. It is now too late: and as a wife, self (not to say a word of duty) calls on you to hide his water, at the bottom of which lies a portion of mud: then you may good-humouredly add, that perhaps faults; and, whenever you possibly can, to bring him forward and make him of importance.

Assiduously conceal his faults, and speak only of his merits. In the married life, confidants are by it may appear trifling and immaterial, but you do no means desirable. You may be listened to with sympathy and interest;—but will this redress your grievance? By no means. Therefore never complain of him. In the first place, you violate a sacred duty by exposing your husband's faults; and in the next, even a certain degree of female dignity

I would also strongly recommend a concealment from others of any little discord or disunion which oecurs between you. Repeated with additions and "is sure to be remembered long after the honest ity which is the life and soul of matrimonial feli-people have quite forgotten it themselves." Besides, on those occasions, rely on it, the world is much more inclined to be your husband's advocate than

In my opinion, there can hardly be a more despicable object than a married woman receiving the particular attentions of any man but her husband.

A flirting girl is indeed bad enough; but a flirting married wuman should be an object of contempt

Perhaps your husband may be a plain man, or an and feeling, neither cultivated nor captivating. Let ting away with every young man who approaches you; for, at the moment perhaps when his good sense and manly pride make him smile, and join in the laugh and chat around, his heart may be exceedingly vexed and fretted at what he is ashamed to acknowledge even to himself. To say the truth, I never met with any husband, handsome, ugly, young, or old, who was pleased at seeing his wife's conversation and attraction much engrossed by other men.

Be you ever so conscious of a superiority of judgment or of talent, never let it appear to your husband. "A wife rules best by seeming to obey." And a man cannot endure the idea of inferiority in intellectual endowments. The very idea of being reflected on makes him infinitely more obstinate, and more wedded to his own opinion, when perhaps a little management and good sense would bring him at once into your plans and wishes.

(To be continued under the head of Prudence, Economy, &c.)

SPORTING OLIO.



PEDIGREE AND PERFORMANCES OF ECLIPSE.

(Concluded from p. 15.)

7. Next day; the city plate, free for all horses; with 30 gs. added; four mile heats. Eclipse won both, beating Mr. Fettyplace's gr. h. Sulphur, aged. Taylor's Forester being distanced in the heat. Here, 10 st. only being required, he was ridden by a light ly's Eclipse walked over for the King's 100 gs. weight,* and bets ran 10 to 1 at starting, in his favour.

S. At Canterbury, July 25, he walked over for the King's 100 gs. none caring to start against him.

9. Two days after, at Lewes, he ran two heats for the King's plate of 100 guineas, against Strode's Kingston, 6 years old, by Sampson: it is almost needless to say he won it.

10. Sept. 19, at Lichfield, he beat Mr. Freeth's Tardy, by Matchless, both heats, both horses 5 years old, for the King's plate, being the fifth won

by him in the first year.

11. At New Market first Spring meeting, 1770, the 17th of April, "a match," Mr. Wildman's Eclipse, by Marske, beat Mr. Wentworth's Bucephalus, by Regulus, 8 st. 7 lbs. cach, B. C. Mr. Wildman staked 600 gs. to 400 gs. p. p. Betting at

starting, 6 to 4 on Eclipse.

Soon after this race, i. e. within two days, this first of horses became the sole property of Captain O'Kelly, for the sum of 1450 guineas or pounds. O'Kelly was already half proprietor in the winnings of Eclipse, he having purchased that share of Mr. Wildman, at Epsom, immediately after his first race, for 450 guineas, that being the sum he had won upon him at the no pulling up system, as stated above. Now, however, Wildman having "put on the pot" on the wrong side of the post, showed a disposition to treat for the other half, and named 1500 guineas; to this O'Kelly objecting, as inad missible, and Wildman remaining inexorably stiff to his price, agreeably to his wonted practice, O'Kelly proposed an expedient, in the true spirit of sporting, which received the immediate assent of the vender. He exhibited three notes of 1000l. each, and placing two in one pocket (aside,) and one in the other pocket (of his waistcoat,) Wild-man was left to choose which he would have; but his ill luck still haunting him, his guess alighted upon the wrong pocket, where lay the single note, in company with a few guineas. These Wildman incompany with a few guineas. These Wildman insisted upon having also; and for this sum was Eclipse delivered over to O Kelly for life, at a price which, at this day we consider trivial indeed, and was probably the keenest all length person that ever laid a bet, and Wildman was no doubt afraid of the tricks of his partner.

A few hours after this sporting bargain, (viz. the 19th of April.) Eclipse ran again, and beat Mr. Fenwick's Diana, by Regulus, Mr. Strode's Pensioner, and the Duke of Grafton's Chigger; but al-

* This may have been John Oakley, he riding under 9 st.; but as for the assumption that John could, by any chance whatever, be employed by Mr. O'Kelly, or any other sporting gentleman, 'tis quite out of the question. He was at the time in the employment of Lord Abingdon, who discharged him for making a ruinous cross and was afterwards whipped off the heath at Newmarket, for being a scoundrel. Rather a had recommendation to a confidential situation about a stallion of so much reputation.

run the second, the old story of "the rest no where" was again played off, and all three were distanced. This was (as said) at Newmarket, R. C. three-milesand a-half, for the King's 100 guineas; 15 to 1 on Eclipse.

Eclipse's new master was too good a judge to give away a chance of losing, and therefore seldom allowed his men, Sam Marriott and Giles Edwards, to know which was to ride until the time of mounting; but one or the other did this duty during the year (Annis Mirabilis!) of his running, and acquitted themselves without suspicion. His remaining achievements (seven in number,) may here be briefly enumerated.

12. At Guildford, on the 5th June, 1770, O'Kel-

13. At Nottingham, July 3, following, he walked

over that course for the King's 100 gs.

14. At York, August 20, he also walked over for the King's 100 gs.; and (15,) on the 23d, he heat Mr. Wentworth's Tortoise, and Sir C. Bunbury's Bellario, for the great subscription of 3191. 10s.one four-mile heat. Odds at starting, 20 to 1 on Eclipse.

16. At Lincoln, the 3d of September, he again walked over the course for the King's 100 gs.

17. At Newmarket First October Meeting, 3d of that month, Eclipse won 150 gs. and upwards, a subscription, beating Sir C. Bunbury's Corsican, at half speed. Odds 70 to 1 on Eclipse.

And, lastly, he next day walked over the course for the King's 100 gs. for the last time, which closed

his performances as a racer.

In truth, not any horse had the shadow of a chance of winning against Eclipse, which caused a good deal of murmuring and some talk about crying him down. This caused Captain O'Kelly (than whom no man could possibly be more averse to disappoint the sporting world, or persons attached to the turf,) to discontinue training him. He became a prominent feature as a stallion, in 1771, and covered during that season at Epsom, at 50 gs. a mare, and 1 g. the groom; but next year, and subsequently, half that price was charged; and, perhaps, a more numerous progeny not any horse winners in 344 races.

Eclipse died the 20th of February, 1789, in the 26th year of his age, at Cannons, the residence of Colonel O Kelly Being exceedingly feeble, he had been removed thither from Epsoin, in a machine constructed for that purpose - Annals of Sporting.

MARK ANTHONY,

Bred by John Randolph, of Rounoke, Esq.

of Charles Sterett Ridgely, Esq. on Elk Ridge, 12 even then was considered too cheap. But O Kelly miles from Baltimore, (late Luther Martin's,) and of this state, will be let to mares on the following terms: for bred mares \$25, payable with \$20 on or before the first fugitive when so arrested shall be brought before covered, to be returned in case she shall not prove or labour to the person claiming him or her, it shall old this grass; was got by Sir Archy, his dam by warrant for removing said fugitive to the state or Florizel (never beat, or paid forfeit,) out of Corne-territory from which he or she fled. lia, the dam of Gracehus: she was by Chantieleer, Sec. 3. And be it further enacted, That if any the best son of old Wildair, and best borse of his person or persons shall obstruct or hinder such sheout of Selima, by the Godolphin Arabian; great gitive from such sheriff; constable, agent, claimant.

though thus placed in the heat, when they came to grand dam by Jolly Roger, out of a Silver Eye, which horse was imported, and the property of Samuel Daval, Esq. and remarkable for the spirit and size of his stock. (See Stud Book.) Good pasturage at Belmont, under Mr. Ridgely's own eye, at the usual rates. Half a dullar to the groom.

GRACCHUS.

Extract from a tetter written to John Randolph, of Roanoke, dated "Upperville, 29th March, 1826."

of directed the horse (Gracehus,) to be led out in front of the tavern where I put up. He is unquestionably among the finest looking horses I ever saw; upwards, I think, of sixteen hands high; indeed the largest blood horse I ever saw. He is in excellent order. Mr. F. calculates on his making as good a season as he made last year. He has a filly, just dropped, of his get, 9 days old, which, he says, measured when dropped 3 ft. 7 inch. high. I have seen it; it is, withal, very handsome, with good points."

MISCELLANEOUS.

RUNAWAY NEGRO LAW OF DELAWARE.

Be it cnacted by the Senate and House of Representatives of the State of Delaware, in General Assembly met, That when a person held to labour or service in any of the United States, or either of the territories thereof, under the laws thereof, shall escape into this state, the person to whom such labour or service is due, his or her agent or attorney, s hereby authorised to apply to any judge or justice of any court of record, or to any justice of the peace, or to any burgess of a borough or town corporate, who on such application, supported by the oath or affirmation of such claimant, agent or attorney, that said fugitive hath escaped from his or her service or from the service of the person for whom he is agent or at-torney, shall grant his warrant under his hand and seal and directed to any sheriff or constable, authorising and empowering said sheriff or constable to seize and arrest said fugitive who shall be named in said warrant, and to bring said fugitive before said officer issuing said warrant, or before some other judge was ever sire of. Nearly all the branches of this or justice of a court of record, or some justice of the celebrated stallion were of the first class of racers peace or burgess of a horough or town corporate, in their time; and, of his immediate get, they were which said warrant shall be in the form or to the effect following, viz:-State of Delaware. -ty, ss. To the sheriff or any constable of said county:-This is to authorize and require you to seize and arrest the body of ---- said to be the slave, (or servant as the case may be) of --- and him (or her) to bring forthwith before me or some judge of said state or justice of the peace in and for said county (if in Newcastle county add-or some burgess of the borough of Wilmington) to be dealt with as the law directs; by virtue of which precept the Will stand this season, (1826.) at the plantation said fugitive therein named may be arrested by the said officer to whom the same is directed, in any part

Sec. 2. And be it further enacted. That the said day of November next; for other mares \$15 each, the officer in that behalf named, and upon proof to payable at the same time, with \$12. Insurance \$25 the satisfaction of such officer that the person so for the blood mares, and \$20 for all others. The seized or arrested, doth, under the laws of the state, insurance money to be paid when the mare shall be or territory from which he or she fled, owe service with foal; provided, that she shall not have been be the duty of such judge or other officer aforesaid, abused, sold or transferred to another person. He to give a certificate thereof to such claimant, his or is about sixteen hands high; a fine brown, 5 years her agent or attorney, which shall be a sufficient

day; her dam, by old Celer, the best son of old Ja riff or constable, claimant, agent or attorney, in so nus; grand dam by Mark Anthony, best son of old seizing, arresting, or removing such fugitive from Partner, himself the best son of Morton's Travellec. Jahour, or shall aid or abet in the rescue of such fu-

tion to interrupt such sheriff, constable, claimant, repealed. agent or attorney, in the due execution of this act, they shall on conviction thereof by indictment forfeit and pay a sum not exceeding five hundred dollars, and be imprisoned for a period not less than three months nor more than twelve months, and shall be liable to an action at the suit of the owner of said fugitive for damages.

No. 3 .- Vol 8.1

Sec. 4. And be it further enacted, That if any captain or commander of any vessel, or other person, shall carry or transport by water, or cause to be carried or transported by water out of this state any person held to labour or service by any eitizen or inhabitant of this state, or by any eitizen or inhabitant of any other of the United States, or either of the territories thereof, and who shall have escaped and proved in the manner prescribed by law. into this state, such eaptain or commander or other person shall pay to the owner of such person held to labour or service, the sum of five hundred dol-lars, to be recovered by an action on the case, or on conviction thereof by indictment be subject to a fine not exceeding five hundred dollars, and imprisonment not less than three nor more than twelve months at the discretion of the party aggrieved; and such election shall be determined by his bringing his action on the case or instituting his prosecution by indietment .-- And if any negro or mulatto labour or service as aforesaid, he shall, on convicstripes, in the discretion of the court.

SEC. 5. And be it further enacted, That if any suspicious coloured person shall be taken up travelling through this Government without having a sufficient pass signed by some justice or proper officer of the place whence he or she came, approved and through which such persons bath travelled, or shall not otherwise be able to give a good and satisfactory account of him or herself to the justice before whom he or she shall be brought, such person shall, by the said justice be committed to the jail of the county where he or she shall be taken up, and be deemed to be and dealt with as a runaway servant.

SEC. 6. And be it further enacted, That this act at the several sessions of said court.

LAW OF MARYLAND.

Be it enacted by the General Assembly of Mary-

act of Assembly, or until some other mode of fixing

such standard shall be provided by law. And be it enacted, That in all cases where an inspector may pronounce a flour barrel insufficient, or shall condemn such barrel, it shall be lawful for the this distress exists to so great an extent, as to in- with the narrow and false views out of which they owner of such barrel, or his agent, either to cause volve families, and whole towns and districts in the sprung, and that, with a single eye to its wealth said barrel to be repaired or to substitute a new one most deplorable poverty. as the case may require, or he may make such deduction from the price of his flour as may be mutu-

An act respecting Last Wills and Testaments.

Be it enacted by the General Assembly of Maryland, That in all and every will or wills hereafter to be made, whereby any lands or real property shall be devised to any person or persons, and no words of perpetuity or limitation are used in any such devise, the devisee or devisees shall take an estate in fee simple, under and by virtue of such devise, unless it shall appear by devise over, or by words of limitation, or otherwise, that the testator or testatrix intended to devise a less estate than a fee simple, and provided, such will shall be in all respects executed

EMBARRASSMENTS OF TRADE IN ENGLAND.

Re-Bell's Weekly Messenger, one of the most ably conducted papers in England, gives the following summary view of the embarrassments as connected with three great branches of trade:]

In the three branches of our trade, silk, cotton and woollen, the distress and embarrassment be-come greater from day to day. In the silk trade, it has been undoubtedly assisted by over-manufacture. shall carry or transport by water any person held to The manufacturers have not only outrun the public or ordinary demand, but even the public taste. The tion thereof by indictment be punished by fine or use of silks in any great extent, is so new amongst imprisonment, or by being whipped with thirty-nine us, that the demand is, and for some time will continue, very confined. It neither suits the tastes of the women, in their general apparel, nor their fashions. Our female population may, in time, ately done, as it is notorious to all persons acquaintadopt this fabric as generally as cottons and mushins ed with trade, that, under the extraordinary pres--but they have not yet adopted it, and therefore there is no demand to take off the vast quantity renewed by some justice of the peace in the parts now forced upon the market. This is one and the through which such persons hath travelled, or shall main cause of the distress in the silk trade. But an additional power of mischief is certainly given to this cause by the concurrent circumstance, that the difficulties of the times prevent the general dealers from venturing to speculate on any larger stocks than what they require from day to day. There is thus not only no demand from the public, but no speculation or venturing purchases from the shall be given in charge to the grand jury by the retailers. Add again to this, that the bankers and judges of the court of quarter sessions of this state monied men can afford no discounts to enable the manufacturers to hold back their stocks, and wait for a more fortunate state of things.

In the rotton trade, the same causes have operated, added to the most absurd and excessive spe-An act to authorize the Governor and Council of culations in the summer of last year. 'There is an Maryland to appoint the Inspectors of Flour for immense stock of raw cotton beyond the demand broad, enlightened and liberal policy, which is connow in the country, and the price has become most ruinously reduced. We have heard, but we know Davd, That the Governor and Council shall appoint not the fact from our own knowledge, that the price on or before the first Monday of April next, and an- was first raised to its enormous rate by some most will not fail to honour them, for having broken nually thereafter, or oftener if necessary, three in knavish dealers, and the fraudulent conspiracy of spectors of flour for the city of Baltimore and one some great capitalists—that they thus gained an for the city of Frederick, who shall be governed in enormous profit, and have occasioned the ruin of their inspections, by the same rules and regulations bundreds. Whatever the cause might be, the deal- ing influence of local jealousy, and a contracted love that at present exist, and shall be entitled to the same ers are now in a most pitiable condition of distress and embarrassment; and under the common calami- donable, a want of adequate knowledge of the capa-

Wentworth & Co. and of other local banks; and

Amongst the many wholesale trades affected by

or attorney, or shall assemble together with inten- provisions of this act, be and the same arc hereby staples of the country; and as, in a season of difficulty and pressure, the first sacrifice which people make is of matters of taste, luxury, and accommodation, to which class literature belongs, the necessitics of the times, by abridging, and almost annihilating the demand for books, has fallen with particular hardship upon a most meritorious and worthy set of men, whose capital is not, like that of many other tradesmen, immediately convertible into

> The question is, how is government to deal with this state of things? Are ministers to suffer it to work out its own remedy, like other commercial reverses; or are they to afford some extrinsic relief. which, without violating the principles of political prudence, may diminish the present mischief, without holding out any encouragement to improvident spe-

culations for the future?

As to the mode of this relief, it should be, we think, by an immediate issue of Exchequer bills, to be advanced upon due, that is fair, security of the stock on hand of the different traders, or upon such other security as they would be enabled to give for the present, and redcem at no long interval. These means were resorted to in those great years of national distress. 1811 and 1817. At these periods, conjointly, though upwards of eight millions were advanced, government did not lose a shilling, and trade was so effectively relieved by this timely aid, that the markets immediately recovered themselves, and thousands of individuals were saved from total

We strongly and earnestly recommend that something of this nature should be done, and immedisure of the times, and the contraction of the market, the most solvent firms have become endangered.

The Ministers contend that the distresses of the day have not arisen from any extraordinary political events; and that therefore it would be a bad prece dent, encouraging imprudence, to issue excliequer bills; but seem inclined that the Bank of England should discount on property.]

MARIN PARMING

BALTIMORE, FRIDAY, APRIL 7, 1826.

BOARD OF PUBLIC WORKS.

The proceedings of the last Legislature of Maryland, were, in many respects, characterised by a genial with the spirit of the times, and honourable to those to whom the people had committed the high trust of legislation—if for nothing else, posterity ground, in regard to the artificial improvement of the natural resources of the state-resources which, have been suffered to lie dormant under the grovelof popularity, united with what was much more parcompensation they at present receive.

And be it enacted, That the present standard of ty of the times—that of a stoppage of all discounts, and of the state, of the means of developing them, and of their immediate and incalculable bearing on In the woollen trade, the chief establishments of its population and wealth. Let us hope, now, that which are in the West and North of England, the with more light, with more expanded and liberal distress has been entirely caused by the failure of impressions, all the grosser passions and mistaken calculations of private interest, will depart along and happiness, the energics and treasure of the state, may be applied with a liberal but prudent hand the difficulties of the times, is the bookselling and to such objects as an enlightened and impartial Board ally agreed on between himself and the purchaser stationers' trade; which seems to suffer beyond its of Public Works, may designate, as being of the thereof.

The capital embarked in this bullighest utility, and within the bounds of profitable. And be it enacted, That all acts or parts of acts siness, during the last twelve months, is perhaps as expenditure by profitable, we do not mean that the of Assembly inconsistent with or contrary to the great as that engaged in any other of the great state is to be actually reimbursed to-morrow for

what it expends to-day; we would have her regard the example of New York, where wisdom pointed it less liable to mildew, and it is a fact well estato the season and the field, and providence-in spite blished, that this is the bane of all foreign canvass of the ravings of faction and the sneers of ridicule, sowed the grain, and waited with a fortitude above all praise, for the harvest time. It may, nay it must ley, without any preparation that can injure th be, that from any of the great public works, which fibre of the varus or texture of the cloth, and grea have been spoken of, the state may not reap any direct return in a year or two or three years; but in the mean time, the money will be expended amongst her citizens, and it only behaves her to be assured that a given work is practicable, and the beneficial results ultimately certain. To arrive at standing order for lifteen tons per month, until this certainty the last legislature commenced with short time ago, when they procured fifty tons from the incipient and indispensable measure of establishing a Board of Public Works, with power to have the resources of the state surveyed by scientific and ther sheep, twenty-one months old, bred and fed b competent men.

This Board consisting of gentlemen of acknowledged talents, influence and public spirit, happily located, familiar with the fiscal and natural resources of the state, having in every view, a deep interest in the cause which they are appointed to illustrate and promote; their plans will, if any thing can, conciliate conflicting views, ensure public confidence, and unite public exertion for the general good.

We regret that it is not in our power to put on record the law which organises the Board; but we shall take an opportunity of registering it along with the other acts of the last legislature, having reference to the same subject. In the mean time it gives us pleasure to announce that Governor Kent, who is ex officio, president of the Board, and personally well qualified to harmonise discordant councils, has appointed an early day, the 16th of this month, for a ceived a yearling ram and two ewes. One of the meeting of the Board in Baltimore, thereby giving not only an earnest of a determination to go seriously to work, but to work on ground that affords the nearest and best view of the interests of this city, between which and all public works connected with ly or together as may suit persons desirous of buythe welfare of the state, there must be a reciprocity ing, and with whom it is an object to have fatter mutof dependence and mutual contribution. The Board Ion at an earlier age and of greater weight-by at least of Public Works consists of the following persons:-

State, being cx officio President of the Board. THOMAS BUCHANAN, RICHARD POTTS. ROBERT W. BOWIE,

The GOVERNOR of the | ISAAC M'KIM, WILLIAM HOWARD, EZERIEL F. CHAMBERS, R. H. GOLDSBOROUGH, and LITTLETON DENNIS.

"Annapolis, March 11th, 1826.

"A meeting of the Board of Public Works will be held at Barnum's Hotel in the city of Baltimore, on Monday the 16th day of April next.

JOSEPH KENT, President."

35-We deem it our duty to call attention to the "Franklin Journal and American Mechanics" MAGAZINE," devoted to the useful arts, internal improvements and general science, under the patronage of the Franklin Institute of the state of Pennsylvania. The Franklin Journal is published in monthly numbers of four sheets each, at \$4 per annum, by S C. Schenk, 252 Broadway, New York, and by J. Dobson, agent, 103 Chestnut-street, Phi ladelphia, and edited with ability by a scientific scholar—Dr. Thomas P. Jones, Professor of Mechanics in the institute.

PATENT PHENIX MILL CANVASS, at Patterson, N. J.—The material of which this canvass is com posed, is the best water retted flax that can be procured; the warp and filling are doubled and twisted into twine, which makes the yarn nearly twice the diameter and strength of the yarn of other canvass: the quantity of material in the same surface is consequently greater, which necessarily increases the durability, and yet its softness and pliability far exceed that of any other description, which, in handling a sail, is an important requisite.

The cloth is woven without starch, which renders causing more destruction than the actual wear.

The cloth is bleached by steeping in an alkalin confidence is felt in recommending this canvass, a no expense or labour is spared to improve the quali ty in every process of the manufacture.

The proprietors of the above factory spun m 327,000 lbs. Irish flux last year; and they had

G-Dishley Sheep .- Dead weights of four we Mr. Charles Champion, of Blyth, Nottinghamshire and exhibited by him at the London Christmas Cattle Show, Sailler's Yard December 1817:

1.	Carcass and head	22 st.	44 lbs.
	Loose fat or tallow,	S	0
2.	Carcass and head,	21	3
	Loose fat		
3.	Carcass and head,	20	1 .
	Loose fat,	2	4
4.	Carcass and head,	19	7
	Loose fat,	3	1
	-	94 st.	_
11.	4 - 4 h 4 T 1		

8 lbs. to the stone London wt. lbs. 759½ by 4, 189-34 -say 190 pounds dead weight of each sheep.

From Mr Champion, the breeder of the above sheep, the editor of the American Farmer, has reewes, has a fine ram lamb some weeks old, and the other is expected to lamb in a few days. These sheep were imported for the sake of having the genuine race in the country, and are for sale, separate-25 per cent. in all these respects, than is to be had from any other breed. They are moreover well covered with heavy fleeces of excellent wonl,

Extract from Mr. Champion's letter to Mr. Skinner. 28th November 1825.

"I have selected for you two of my best ewes They are both tupt by one of my best rams. The one year old ram is well bred, being got by a ram which was let for 100 guineas the season."

85-Editors of , apers that exchange with the American Farmer, are respectfully requested to copy

LIVERPOOL, March 4th-Latest.-There has been a steady demand for Cotton this week, and prices have advanced 4d. per lb. Sea Island Cottons, 192 to 27d.; Boweds, 5\$ to 7&d.; New Orleans, 6& to 10d. Alabamas, 61 to 7d.

€ Говассо. - Letters of the latest date and from the most respectable sources in Holland, contain nothing favourable for tobacco or any other article, the growth of our country. They state that the price of Maryland Tobacco was entirely nominal, no sales of any account since 25th Jan. trade generally was in a most depressed state.

CONTENTS OF THIS NUMBER.

Scientific Memoranda, applicable to rural economy continued-Agricultural Chemistry-Diseases and Ac cidents of Farmers, continued—Statement of Tobacco grown in Maryland from 1820 to 1826—Grazing and Sale of Cattle-Whisper to a Newly-married Pair, continued-Pedigree and performances of Eclipse, concluded—Mark Anthony, of Mr. Randolph's stud—Graechus— Runaway Negro Law of Delaware—Flour Inspection Law of Maryland—An Act respecting last Wills and Printed every Friday, at \$5 per annum, for JCHN S. Testaments—Embarrassments of Trade in England—Board of Public Works— ranktin Journal—Patent Paul and Market streets, where every description of Canvass-Importation of Dishley Succe-Editorial.

PRICES CURRENT.

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1	HOGS' LARD,	-		8		31				
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t		gal.		45	١		_			75
1	Havana, 1st qual.	-		26	2	26년		373		
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1	Pitch,	- 1	2							
,	Turpentine, Soft, }	-1	1	75	2	00		1		
		gal.		30				40		
1	Spermaceti, winter .	_		68		70		88		50
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1	ground,	bbl.	1	50				- 1		
-	RICF, fresh,	lb.		3				5		0
						14		18		6
1	SOAP, Baltimore White.	lb. [12		- 1				20
1	Brown and yellow,			51		7		8		12
1	WHISKEY, 1st proof, .	gal.	*	271		29	,	38		50
1	PEACH BRANDY, 4th pr	- 1		75	1	00	1	25		
3	APPT E BRANDY, 1st pr	~-		35		37		50		
	SUCARS, Havana White,	e.lb.	13	50			15	1	6	
1	do. Brown,	1	9	00	9	50		}		
1	Lo siana,	_	7	75	9	50	10	1	1	
1	Loaf,	Ib.		19		22		20		23
1	Lump,	_		16		18		20		
	SPICES, Cloves,	_		70			1	00		
1	Ginger, Ground,	_		7				12		
1				17				25		
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3	SHOT Bult all sizes		0	50			12	50		
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		gal.	0	50	3	00			4	
1	do. Sicily,	- 1	1	20	1	30		00		
1	Lisbon,	-	1	15	1	25	1	50	1	75
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Book and Job Printing is handsomely executed.

AGRICULTURE.

ON THE CULTURE OF TOBACCO.

Highlands, March 31, 1826.

I have received your letter of the 28th inst. asking of me a sketch of the culture and management by the fine specimens often exhibited by them in ground the greater will be the crop. Be careful as the market, would fairly entitle them to the credit of possessing superior knowledge in the culture and management of this article. There is, besides, such diversity of opinion as to its proper management, run to send which are deposited on the plant inclines to the plant. The description of this article. There is, besides, such diversity of opinion as to its proper management, run to send which is indicated by the start the search of the send which is indicated by the start the search of the start that the search of the searc and more general practice. To make fine yellow ty of opinions as to the proper heighth for topping; about six separate divisions; three on each side and tobacco it has always heen found necessary to crop but I generally top off all such leaves with the butinew land; and to succeed then, depends entirely ton, as I know will not make crop tobacco. But and its vicinity, than in any other part of the state, gorous, I top higher. After topping, the suckers adopted a still safer plan, which although somewhat and I believe I may add of the United States. I shoot out rapidly, which must be broken off; the bave seen some very fine tobacco from the state of sooner the better. When the plant is sufficiently end, by saving of fuel, risk, &c. I have had two bacco is so much admired.

early in the fall and winter as possible, to give full ly ripe, he will not make yellow tobacco; and if he stoves, after firing one house, may be carried off to time for clearing and preparing it well. The first suffers it to stand too long, he loses both in weight another, which may be in readiness by the time the consideration of the planter, then, is to prepare his and quility. Many delay cutting after two-thirds tobacco beds and be careful in the selection of the plant is ripe, for the upper proper kind of seed. Many kinds are used; but to leaves to change: but I have found, by experience, ferred, as they permit the gradual escape of the damp make very fine tobacco, it is necessary to use seed that we often pay very dearly tor it. In dry seasons, atmosphere arising from the tobacco when firing,

way, the ground should be very well burnt, and to house may be filled and the fires made before the or two above the comb. accomplish this in the best manner, it is desirable pant falls; and it should be conveyed to the house much frozen. Let it then remain until the time he heat therein employed to cure it, may act upon arrives for sowing, when dig it up lightly; dress it it before it begins to droop. This may appear unsoon as possible after it is cured; as the longer it is fine and mix the seed with riddled leached ashes important to many, but 1 do consider it one of the exposed to the air the more it loses its fair comwhich distributes it more regularly. There is 1 most important secrets in the whole process. It is plexion. As it is stripped it must be tied in sepavariety of speculation as to the proper time for the well known that if the heat is applied irregularly in rate bundles, not too large, according to quality, sowing. Some begin as early as December; bu I the firing, that the plant will not cure bright. If and immediately put down into light bulk on a have drawn from a bed sowed in April before me sowed in February. I believe as sure a plan as it will very soon begin to heat before it is conany is to germinate the seed by placing it in avesal with moist virgin earth, or leached ashes tied practice, it is evident that it has been exposed to just touching, without spreading open or compressthat irregular heat which we endeavour so much ing it, only observing to keep the leaves straight; to be sowed. But to insure having plants early, to avoid after getting it hung up. It is this that lay it lightly, covering it with long straw and a few common hot beds are decidedly superior. To succeed well with a crop of fine tobacco, it is all implications and leave the mischief so unaccountable to many. My tobacco sticks, and leave it in bulk until you are eced well with a crop of fine tobacco, it is all implications to have the splitting, cutting, conveying to prepared to qualify it, which may be done towards the house, sticking, and hanging up so arranged, as the close of winter, as follows: the tobacco is taken to have the plant to grow off vigorously, and to ripen in warm weather; which affords great advantage in what is termed, a strut; and placed to dusting the close of winter, as follows: the tobacco is taken to have the plant hung up soon after it is cut, and while it is in what is termed, a strut; and placed house until it becomes very dry, particularly the upon sticks so as one plant will not touch another head of the bundle; care must then be taken to can be so much easier regulated; besides much la- after it falls. As soon as the house is filled, the fires bour, as well as tobacco is saved by gating clear of are made and doors clused up, and the heat brought what is termed "the second, or late gut of worms." to about 90 of Fahrenheit, or what may be more Plant as soon after corn planting as possible. Have generally understood, to that of a hot summer day, the ground well stirred by two light loughings, and This heat is to be kept up unchanged until the towell harrowed. Experience has taight me to cul-bacco generally assumes a pale yellowish cast, and tivate on a flat or even surface, in preserence to the extreme points of the leaves begin to shrink, ing boards or sticks thereon, and weight it down planting in hills, by which I economize very much which generally takes place in about 36 to 48 well; for in doing this, much is gained in packing, in labour. When the ground is prepared as above, hours; when the fires must be raised, and the heat as this tobacco will not bear heavy prizing. The I mark off the rows (one way,) with a marker, or gradually increased up to as high a degree as the tobacco soon after may be packed, taking care to

hands in my neighbourhood; whom, if we may judge Like all other drill crops, the more you stir the or less stained by the sap exuding from the stem. If plants are to be raised in the old fashioned house, muster all the force at command, that the should be capped by two planks elevated an inch

shovel.) This is drawn and directed by a couple about the fourth or fifth day, if the season be faof boys, who will prepare more ground for plant- vourable and the tobacco ripe. But it is all-imporing in one day, than twenty men with hoes. The tant that not only the leaf, but the stem to its junction droppers follow the lines thus marked off. The with the stock, should be perfectly cured throughout most experienced hand takes the first row, and the house; and the best way to test it is, for the drops the plants in the line at the distance of 20 to owner not to trust to the opinion of his fireman, 24 inches; the others follow, and are regulated in but personally to inspect the outer tiers, which he of bright tobacco, to accompany my communica- their dropping by the first row. I apprehended can at once prove by trying the stem-which, if it tion made to you on an improvement in prizing tobacco by lever. You have taxed me with a matter save cross marking, I persevered, and soon found that could with great propriety be transferred to abler this work to progress as actively as in the old way.

that it makes the task the more difficult I will, run to seed, which is indicated by the formation of sparks. The fires are made in slight sloping trenchhowever, cheerfully give you the method most ap-what is termed the "button," it is time to top it; es, parallel to each other, and running lengthwise proved of by me, which a few years experience has which work ought to be done in the morning, as it with the house within four or five feet of the walls. taught me to give the preference to over the old is then much easier broken off. There are a varie- When they are first kindled up they are made into upon the character of the soil, which should not be there is a great deal of practical skill requisite to one line of fire of two divisions. Charcoal is now too fat nor too poor. There is a medium between test this accurately; for the upper leaves of the much used and is greatly to be preferred, both on the two which is the best adapted to its culture, and plant grow more or less, according to the season, the score of safety and interest; the tobacco by this this is to be found more in quantity on Elk Ridge of late, I top low; if early and the upper leaves visuade being totally divested of smoke. I have myself Ohio; but on comparison, it will be found not to ripe, the leaves assume a pale yellowish cast; the old iron steam boilers, about 7 feet long and 24 feet possess that soft, silky character for which our to-lower generally more so than the upper. This is an important matter for the planter to be well ac- which, independent of their giving security, econo-Land intended for tobacco should be cleared as quainted with; for if he cuts before the plant is fair-mize vastly in the consumption of fuel. These of the light kinds; and of all these, I have found the top leaves are generally in a green state when lift the roof is of shingles, it would be an advantage uone better than the low pear tree.*

As soon as the tobacco is cured, it should be exto burn in the fall before the ground becomes too and hung up, if possible, as fast as it is cut, so that cluded from damp air, giving it only as much as to seize the first opportunity when the tobacco has become just damp enough to press in the hand without crumbling, to take it down before it gets too high, and bulk it down again in double row, to qualify it for packing; and when a bulk is considered sufficiently large, cover it with long straw, placleg of a light shovel plough, (having taken off the safety of the house will admit, and so continued, lay it in the hogshead as it comes from the bulk. without permitting the slightest diminution, until and placing the butts of one half of a layer opposame way, but placing the butts not on those of the *t greatly prefer splitting to pegging, for light tobacco. first layer, but more within the hogshead, the head

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friends. [Too late now—we have distributed freely through the members of Congress from Ohio.

are placed at right angles to the first.

contemplation: I find it, however, impossible to abbreviate on a subject which is intended for instruction to the novice. I have only to ask to be excuscopying or correcting it at this time.

I am yours, very respectfully,

J. S. WILLIAMS.

The next number of the American Farmer will contain a communication from Mr. Williams, with a diagram, explanatory of a labour-saving method, used by him with great advantage, for prizing tobacco.]

ON THE CULTIVATION OF MANGELWUR-ZEL, BEETS, PARSNIPS AND CARROTS.

The three first thrive best on a deep moist sandy loam, and as these crops are becoming every year more important in field as well as garden culture, and they having long since been satisfactorily proven, not only to be very useful, but almost indispensable in keeping stock in fine condition through the winter months, when sliced and mixed with straw, does away the necessity of hay, and works up the straw and chaff which otherwise would have to be attack others, who have been debilitated by prethrown into the manure yard, and which, when given to stock without roots, bind their bowels, and

in the fall or winter, in the following manner: with neglecting them. two horses plough a narrow furrow as deep as they first plough in its furrow, with what we call a subsoil in the bottom of each furrow to the depth of which is absolutely necessary to the production of tion of three or four leeches, and of a thin cloth of the countries, of the disease and death being prothose tap-rooted vegetables; in the spring, as early as the ground is dry, cross-plough in the same manone or more purges; but when it is evident that a continued in good health. ner as above, then spread on a good coat of well disposition prevails in the part to suppurate, poulmixing them with sifted wood, ashes or fine manure, and drill both in together; if dropped by hand they must be covered with a mixture of well rotted manure, or rich earth from the woods, both which will prevent a crust from forming over the seed and will promote the growth of the young plants, as soon as they are cleverly up; weeds will also appears and

I believe I have now gone through the particu- depth of 6 or 8 inches, by the subsoil plough, runlars, but have enlarged much more than I had in ning it as near the rows of plants as possible without disturbing their roots, by which means the conthe ground in fine mellow tilth all the dry season; quate to the intended object. It is to be renewed ed for any imperfections in drafting this essay, and by giving them the finishing hoing and cleansing as often as is requisite to allay the pain. If the tor sending you this rough original, for its length after the subsoil plough the crop is made; in this part scalded be the foot or leg, and covered with a and my engagements absolutely preclude my either way root crops may be raised in great quantities, usual garden methods.

ROBERT SINCLAIR.

Observations on the means of preventing and relieving the accidents and diseases, to which farmers are particularly subject. By James Mease, M. D.

1825.]

[Continued from p. 19.]

Biles .- These are occasioned either by constitu- the new skin is forming tional or local causes. When they are numerous, they are very generally attributed to grossness of the system, or in popular language, to "too rich a chilliness, which is to be carefully avoided. In blood." They do indeed occur sometimes in persons of gross habits, but they also very commonly vious diseases, particularly fevers and dysentery. When purges have been omitted to be given after leave them in a very unthrifty state, which is effective small pox, cow pox or measles, they almost intually corrected by the mixture of roots, and will variably occur. When they succeed a general also fatten them with the addition of a small por-tion of meal.

disease, they are commonly, but erroncoully sup-posed to be critical, or to be the deposit of the ori-My method of cultivating these roots is as follows: ginal cause of the complaint, or the last ffort of of a dog, wolf, fox, or cat when mad. for these crops choose land which has had some the system, or of "nature," to terminate a previous mellowing crops, such as corn, potatoes, disease. They are therefore deemed healthal, and disease, and not a year passes without the publication of une year's standing, &c. plough the ground much unnecessary suffering is often occasioned by tion of the accounts of deaths from it. To guard

The local eauses of biles are picking off the can, then let a second two horse team follow the heads of little pimples, or irritating a scratch of These animals when infected, often bite without wound made by a knife or pointed instrument provocation, and without exhibiting the least symp-

six or eight inches more, and leaves the pulverized bile, unless it be early attended to. When, howsubsoil to be covered by the next furrow of the two ever, they attack a joint, or appear in any part of horse plough, and so on leaving the good soil on the body which it will be troublesome to attend to, top, and mellow to the depth of 12 or 14 inches, the experiment ought to be made, by the applicarotted manure, and plough it in 4 inches deep, and tices of flax seed, or of bread and milk, covered instantly wiped, and washed with soap and water, harrow or scarify until the ground is fine. I then with oil or hogs' fat, ought to be applied and reproceed to lay out the drills two feet apart by means newed twice a day. If great pain attend, a teaport and the will sucked, either by the sufferer himself or another person. There is not the smallest danof an instrument made as follows: take a piece of spoonful or two of laudanum may be poured over ger in thus applying the saliva of a dog to a sound oak scantling 4 by 4 inches, 7 feet long, into which the poultice. Much pain arising from the distension of the skin may be prevented, and the course sary to give activity to the poison. If the wound the end, with a two inch auger, into which drive of the disease shortened, by a free and early openstrong pointed pins 7 inches long, (beside the part ing of the bile, to discharge the purulent collection in the head) to which oak piece attach a pair of and the gangrenous cellular membrane, commonly shafts and handles, and by the assistance of a horse called the core. When from fear of a little moall the drills may be made of regular width and of mentary acute pain caused by the use of a lancet, proper depth to receive the manure and seed, and the sufferer delays the operation, or permits the will prevent a crust from forming over the seed and will promote the growth of the young plants, as soon as they are cleverly up weeds will also appear, and must be removed whilst in a red state by hoing and picking; the parsnips and beets ought to be wity is emptied, apply a simple cerate or basilicon dog did not exhibit the least appearance of being made

of the butts of the second layer being placed at the thinned to six inches, carrots to three inches, man-lointment on a soft rag. When a disposition to foot of the butts of the first layer. This is called a gel wurzel to twelve inches apart in the rows. Next form biles appears, they may be prevented by takdouble course. The next double course, the butts dressing may be performed by a small cultivator, ing a mixture of cream of tartar, and flowers of and the last one may and ought to be done to the sulphur, and by drinking freely of an infusion of sassafras blossoms, or root of dandelion.

Burns and Scalds.-When these are of small extent, ease may be speedily obtained by the applicagealing effects of droughts is prevented, by keeping tion of cold water, of such a temperature as is adeas often as is requisite to allay the pain. If the stocking, it should be instantaneously pulled off; and at a very small expense, compared with the but if only a minute or two have elapsed after the accident, before any attempt is made to afford relief, the stocking should be cut away; as in the attempt to pull it off the cuticle will come with it, ON DISEASES AND ACCIDENTS OF FAR-of the true skin to the air. Ice must not be added to the water, for by the sudden abstraction of the heat of the part, it will cause pain. After the severity of the pain has been allayed, the part may be bathed with a thin rag, dipped in cold lead water and then covered with Jamestownt weed ointment. [From the Memoirs of the Philadelphia Society for promoting Agriculture—Read May, June, July, August, or a very small puncture of a lancet, to let out the water contained in them. Preserve the old skin to defend the part from the irritation of the air, while

> If the burn or scald happen in winter, or be extensive, the application of cold water would create a chilliness, which is to be carefully avoided. In and permitted to remain on until case be obtained: it should then be moistened and gradually removed, and the part covered with the above ointment, or one of bees' wax and oil, and washed every day with a solution of white vitriol and water in the proportion of twenty grains to a pint of

Hydrophobia.—The disease produced by the bite

against it let the following eautions be attended to: avoid all intercourse with strange dogs or eats, soil plough, which loosens and pulverizes the sub- They also often happen without any obvious cause tom of disease. A bite received from one of these It is difficult to disperse a genuine furunculus or nimals, whether young or old, in the first hour of the disease, and however small, is equally dangrous as a large one, or one inflicted when at its hight: nay, eases related on most respectable autherity have occurred in the United States, and in

In case of a wound being received, it should be be large, water should be poured from a tea kettle

* Take of cream of tartar one ounce, flowers of sulphur half an vunce, molasses, or honey, if preferred, enough to combine the ingredients. Mix thoroughly,

on it for half an hour, and the edges of the wound madder is commonly raised in gardens; is dried in tually secure the sufferer from all danger of future way of supplying the article for their own consump fore, a clean knife should be used.

It may be satisfactory to know that not more requisite supply at half the price they now pay, an one in twelve persons bitten, are attacked by than one in twelve persons bitten, are attacked by the disease; but this fact must not cause the ne-tion of madder, which I request you, Messrs. Edi-

moment should be lost in consulting a physician; processes of dyeing, grinding, and putting the artiand the treatment I advise, is to bleed the patient cle up for distant markets.

while standing or sitting up, until fainting is pro"It will be necessary to plough the land deeply duced; and if the symptoms recur the operation for madder, before the winter, into high ridges, in must be repeated, and to the same extent. The order that it may be exposed to the action and intemporary exhaustion from the loss of blood will duence of the frosts and the atmosphere. Early in soon be recovered from, while death will be the the spring these ridges should be well harrowed inevitable result of any other known treatment. I down by a heavy long tined harrow, and then do not promise a cure from the bleeding, but it has ploughed again in the contrary direction to a good succeeded in two cases; one in Calcutta and one in depth. And when after this the land is not perfect England; and these warrant the use of it, consider-ing the total failure of all other remedies hitherto line and mellow, another ploughing and harrowing tried. It is essential that the blood be lost in the course of the two first days of the disease.* Dogs should be carefully prevented from eating carrion of any kind. The sufferer is earnestly entreated plants. The sets or plants may then be obtained different times been duped. Their recorded failures and raking in the spring, and then lightly covering preventing or curing the disease. As regards a In the first method, on the plants appearing they cure, they make no pretensions; their boasted sic-should be made perfectly clean by weeding, and to cess is confined solely to prevention; but it is a vell be set out at the distance of three inches in the remedy have escaped, as those who have undersone a long course of preventive medicines. Even a salivation, long continued, has repeatedly failed (To be continued.)

ON THE CULTIVATION OF MADOER.

(From the New York Statesman.)

As manufactures progress, many agricutural products will be brought into demand, which, from the variety of our soil and climate, may as well be raised in this country, as in any other; and it is the interest of our agriculturists to seize every opportunity of cultivating new products, as soon as a sufficient demand is created to warrant the attempt.

Madder has become an article of great consumption, and the demand is daily increasing. That it can be raised in most parts of North America, in the greatest perfection, has been tested by experience. Mrs. Madison made a report to the Philosophical Society of Philadelphia, many years since, of madder raised under her direction, and the rein colour by any European dyer. In Kentucky,

peatedly failed to prevent the disease. If a skilful pounds for one, produce all the effect of the best surgeon be at hand, and the part bitten admit of prepared. This fact is highly important to manuthe operation, it should be cut out, which will effect facturers, as it points out to them an easy and cheap disease. But the surgeon should take care, that he tion. They need only enclose a piece of ground of the work has been performed, it is necessary, in do not inoculate with his knife the parts below the sufficient extent to plant a small quantity at first, the course of two or three weeks, to look over the extent of the wound. After the first incision, there- and by transplanting from these every year, they can, taking them up as they want them, obtain the where the others have been destroyed.

glect of the local means mentioned, for in the Unitors, to publish, for the guidance of those who may ted States every case that has occurred has proved wish to make the attempt. Roots will be supplied, fatal. Wounds received through clothes are much or information given where they can be obtained, less dangerous than those inflicted upon the barc skin, as the poisonous saliva in the former ease, the probably wiped off from the teeth.

Those gentlemen who may be desirous of obtaining roots, will please give early notice of the intention. In due In the event of the disease appearing, not a time I shall give the necessary information of the

they will be ready to set out in the second autumn; plants for setting an acre of land. The most suitable time for taking the sets is shown by the plants having

on it for half an hour, and the edges of the wound opened, to give free admission to it: and in every the root, and sent to market for sale. I once used a few pounds of those roots, and the colour obtained has equal to that produced from the second quality beginning at a distance of six inches from the outsides and setting a row of plants at a distance of purpose. must be prevented from healing for two weeks.

The application of caustics to the wound has refron the ground and washed, will, by using four moving the line two feet further on them, and putting in another row, and so on, till the bed is finished. In this way each bed contains three rows of plants at two feet distance each.

"As some of the plants are liable to die soon after ground and put fresh vigorous plants in the places

"It is of the greatest consequence to the crop that it be kept perfectly clean; and that the mould be occasionally stirred about the roots of the plants." HOPSON.

PROSPECT OF CROPS.

Extract of a letter to the Editor, dated Lewisbery, Pennsylvania, March 27, 1826.

"Our crops of wheat and rye in this part of the puntry are very promising. The present month country are very promising. has been, so far, very favourable; but the months of January and February were so severe, at times, as to have destroyed the most of our peaches-indecd, except where the trees were sheltered from the north-west and north wind, there is scarcely an embryon peach to be found uninjured! Trees situated on high grounds did not escape, as is frequently the case where fruit is injured by frost."

HORTICULTURE.

GOOSEBERRIES.

[There is scarcely an old garden to be seen which to trifle with his life by trusting to any of the either by sowing the seeds upon a bed of earth has not some squares in it incumbered with goosenumerous specifics with which the public have at which is rich, and made perfectly fine by digging berries and currant bushes—we say incumbered, because, how are they managed? Of what utility prove that they do not possess the power of either in; or from offsets or suckers from the old plants, are they? How much fruit do they yield? It is true we sometimes get a gooseberry pie, which is very nice, but so great is the quantity of sugar used in making it, that, like the Indian's gun, it costs more established fact, that as many persons who tool no beds by the hoe. In this way, by keeping the than it comes to. But the defect to which we would ground quite clean and well stirred about the plants, advert, for the sake of reprobating it, is the too prethey will be ready to set out in the second autumn, valent custom of planting good fruit and then leav-though it will be mostly better to defer the busi-ing it to its own fate. The gooseberry bush is neness till spring. It requires about thirty thousand ver pruned and trimmed, and scarcely ever even weeded; and were it not for its extreme hardiness, it would perish as does a plant of corn or cotton, attained the height of ten or twelve inches from the when left without culture to struggle for itself. As ground, and the suckers having thrown out fibrous it is, though our gooseberry bushes may live, they roots from their bottoms. This may be seen by get so clustered with wood as to exclude light and drawing up a few of the plants, and usually about air, and yield nothing but dimunitive sonr green the latter end of May or beginning of June. Be- berries. People generally, really appear not even sides it is necessary that the sets have formed root- to know, that with a little care and attention, they fibres at the bottom, before they are removed, as might supply their tables with an abundance of dewhere that is not the case they never succeed well. licious wholesome fruit, eatable with great pleasure The land being prepared as directed and the plants in its natural state. They have no idea that their provided, a sufficient number of labourers are to be tables in season might be supplied with plates of employed, that the work may be performed as ex- this fruit as large as the end of a miller's thumb. peditiously as possible. In taking off the sets much They are not aware that in a climate not more concare is necessary not to injure them. The number genial than ours, culture has produced 200 sorts of of plants that can be set in a short time should be red, yellow, green and white gooseberries. There taken up at once. They should be prepared by are very few, at least within the range of our acof madder raised under her direction, and the re-port was accompanied with a sample of cotton dyed on Adrianople red, that has never been exceeded in colour by one European dran. In Kertokan, and the re-lawing a third part of their tops cut off; a sort of thin batter should be made by mixing good vegeta-ble mould and water well together, into which the friend P. E. Thomas, the latter of whom has him-*Physicians are referred to the "Medical Recorder of Philadelphia," vot. 2d, pp. 174, 285; and vol. 6, p. 35, for the cases cured by bleeding, and my remarks thereon. The particulars of any case in which this treatment shall have been adopted, with or without success, will be acceptable to the author.

*Physicians are referred to the "Medical Recorder of Commonly Philadelphia," vot. 2d, pp. 174, 285; and vol. 6, p. 35, eds. This work is executed by a person before the not readily know what to call them; but they know the value of an axiom that every man, whether afterwards in distributing the plants so as to be conformed from the acceptable to the author. afterwards in distributing the plants so as to be con-renient for putting them into the ground.

The distributing the plants so as to be con-farmer or merchant, ought to adopt, to wit:— What you do undertake, be careful to execute

bour of rearing or keeping a horse, let it be one of be watered when required, until winter. good blood and action, and he well kept. If you keep but one cow, let her be well kept and a good one at the pail. If you build a mill, let it be one of best materials and construction, with power most skilfully applied .- So if you plant but one fruit tree, or one gooscherry bush; bestow your time and care on one of good kind, let it be well kept, cultivated, pruned, &c. It will then give you the best return, and do you credit besides; which are, after all, the only rational objects of undertaking any thing. But here you are, say our readers, writing us a grave scolding lecture on gooseberry bushes! do you take us all for geese? No! a good sermon may be preached from a short text. The most sublime and eloquent to which we ever listened, was by Mr. Everett, the member of Congress, on "Brethren the time is short;" and though perhaps quite as long, yet to his delighted audience, it seemed as did Reuben Butler's ordination sermon to David Deans, "a short allowance of spiritual provender," However that's not "germain to the matter." To return to the gouseberries, those who would have them or any other berries, should take care of them, or dig them up and plant cabbages in their place: those who would cultivate them and wish for instruction may read the following:]-

Concise and practical treatise on the growth and culture of the Gooseberry: including a catalogue of the finest and most estremed varieties that are now cultivated. By R. F. D. Levington.

[Communicated for the American Farmer.]

The following treatise is confined entirely to the propagation, cultivation, and general management. of the gooseherry, from its earliest state to its last the main shoots. stage of profitable vegetation; and shews that management, in as brief and comprehensible a manner as possible. The writer is himself a practical gardener, and is impressed with a belief, that his of the plants having some fruit on the ensuing sea. following season. long practice and experience in the profession, will son, which may be depended upon as a true sperender this work the less liable to error.

ON SEEDLINGS THE FIRST YEAR.

The method of raising gooseberries from seed is chiefly practised by amateurs, whose ambition ineites them to the pleasure of giving a name to a fine new sort (which they may have the good fortune to raise) or to the hopes of gaining a prize at the gooseberry shows, of which they may be mem-

Being in possession of a quantity of seed, about the month of February or March, is a good time to begin sowing. Prepare a nice bit of light ground, by manuring and digging it well according to its

quality.

When it is thus prepared to the extent required, line it off into beds of four feet wide, alloting two spare feet between each bed, for the alleys, and with a wooden headed or cuffin rake, and standing at one side of the bed, draw and push the back of the rake, evenly from one side of the bed to the other, moving the surface about one or two inches side of the bed, in as neat and even a manner as possible.

Sow the seeds regularly therein, between the two ridges, and give it a gentle clap down, with the back of the spade; then again with the front and back of the description which you have with or of them, spit deep, laying the top turf upside down, at the the rake, draw back the surface earth regularly over you can then judge if they are what you want, and bottom of the trench.

They will soon begin to germinate, and appear bours. above the surface, when they will require to be I consider about the month of February or March, at from five to seven feet apart, according to the kept clear of weeds, and gently watered if dry hot to be the best time for this work to be done, though texture of the soil, (that is at five feet in bad soil, weather, and on a light dry soil, which will greatly nevertheless any time from the fall to the rise of the and seven in that of superior quality) and make forward their growth; when they arrive at about sap is attended with success, providing that the wea- marks at opposite distances along the line, in a sort two, three, or four inches in height, they will require to be thinned out, to about six or eight inches Choose the cuttings from the most healthy and den, zig-zagged; at every mark dig the pit large

in the best manuer. If you go to the expense and la- apart in the bed, and kept clear of weeds, and should fruitful bushes, and let them be well ripened strong

ON SEEDLINGS THE SECOND YEAR.

Any time between the full of the leaf in autumn. and the rise of the sap in spring, get a plot of light ground prepared for the reception of the seedling plants, which having finished to the extent required, begin taking up the plants from the seed bed, (both large and small, for if they have done well they will now be tolerably well rooted plants, but if otherwise, let them remain in the beds another year, and then follow the same directions as are here given,) and prune them up to a clear stem of from twelve to eighteen inches in height, leaving only three, four, or five buds or eyes, at the top of the stem, to form the head or bush.

Plant them in the ground already prepared for them, at about fifteen inches apart in the row and twenty inches apart between the rows, and if dry weather at the time, give them a little water to set-

tle the earth about their roots.

If dry weather continues, they will require gentle watering to be given them frequently, in order to clear of weeds, &c.

facilitate their vegetation.

Keep them clear of weeds, and go over them at different times in the course of the spring and summer, and displace any suckers arising from the roots. or laterals from the stems.

ON SEEDLINGS THE THIRD YEAR.

During the last summer's growth, the young bushes (if healthy,) will have made considerable good shoots, which it is advisable to let remain entire, above rule. unless they are too thick of laterals, and those growing irregularly across one another, when it will on

As the gooseberry bears its fruit principally on the young shoots of last summer's growth, that wood is now to be left entire, as there will be a likelihood

cimen of its future produce. Those berries which prove to be bad sorts, and not worthy of any further trial, cannot be eradicated room and nourishment for those that are found wor-

thy to remain.

But if it should so happen that the season be wet, or the bush not in a good state of health, it may not bear any fruit this year, or not being perfectly healthy, and the season unfavourable for ripening and bringing fruits to maturity, may produce an imperfect berry; the bush on such occasions is not to be condemned, until it has a more favourable chance by nature, or otherwise previously rendered so by of proving itself another year.

For the pruning and forming the proper bush, see the head, Pruning and Training.

ON CUTTINGS THE FIRST YEAR.

This mode of cultivation is by all practical authority in the greatest repute and practice in the propagation of gooseberries; as experience teaches us that it is attended with the greatest share of sucdeep; lay it up in a ridge at the extremity of each cess, for reasons which I will explain; in the first with horse-dung, pigeon-ding, soot, ashes, &c.; all place, the plant from a cutting, comes sooner to a bearing state, and with less trouble than in any other simples; but composts are to be preferred. mode; secondly, as you will probably be acquainted with the kind or kinds you intend to cultivate, or of the seeds, and cover them equally about one inch can depend upon, and if so, you can then look for-deep, with the lightest and driest of the mould. . ward with a greater certainty of success to your la-

shoots of last summer's growth. I never prefer the most luxuriant shoots, but rather those of a middling degree of growth.

Take the shoots off at the bottom joint and keep each sort by itself, tied up in small parcels, with strands of bass matting, until the next operation. which if not convenient at this time, they must be put about half their length in the ground, where they will keep with safety for a considerable time, according to the advancement of the season.

Prepare the cuttings by pruning off neat and closely under the protuberant part of the lower joint, cut the top off, allowing the cutting to be left at from twelve to eighteen inches in length, and rub off all the beds or eyes, to about four, five, or six at top, which will remain to form the head or bush.

Having the ground ready for their reception, lay the line across, and with a dibble, plant them at from four to six inches deep, and at from six to nine inches apart in the rows, and at from twelve to eighteen inches between the rows, and give them a gentle watering when required in dry weather, keep them

ON CUTTINGS THE SECOND YEAR.

Prune them up to a compact formed head, which should be supported at the top of a clear stem, about twelve or fifteen inches from the surface, the top to consist of three, four, or five shoots, according to their strength, and prune them back to within two, three, or four inches of the stem, observing the

Having thus finished the pruning, &c. clear away the cuttings, and if required give a light sprinkling such occasions be proper that they be cut off close to of well incorporated rotten manure, and dig it carefully in between the rows, with light spit laid up rough; keep them gently watered, and carefully cleared during the spring and summer, which will be all they require till their final transplantation in the

ON SOILS AND MANURES.

The soil best adapted to gooseberries, is a light andy loam of considerable texture or cohesiveness, too soon from the ground, which will afford more olat least twelve inches deep, over a sub-soil of pure gravel, soft clay, or dry sand, though nevertheless they are found in great vigour of growth and health in nany different soils; but if the bottom is wet, and he sub-soil a retentive clay, irony gravel, &c. little good can be looked for, though the upper soil be ever so good.

It is in vain to attempt the rearing of a plantation of goos berries, where the bottom is not either dry

I come now to the preparing of ground: of whatever texture or disposition the soil of a plantation is, it should be trenched at least two spit deep, and strongly manured with composts or simple manure according to the nature of the soil, which if of a light disposition, is to be manured with cow-dung, pond-mud, scenrings of dishes, sprats, sca-ware, &c. if of a cold heavy nature, it is to be manured of which are either to be used in composts, or as

If the new plantation ground be taken in from pasture, it is proper that it be trenched full three

ON PLANTING.

Having the ground prepared, stretch out the line, of diamonded manner, or as it is termed in the garlength, without being confined or cramped.

Proceed to plant the bushes in an upright manner, and not deeper than just to cover the top part of the roots, about two inches below the surface, taking eare to shake the plant regularly as the mould is falling round the roots, that it may completely surround them, and place them in a sound proper bed, giving them a gentle tread with your foot, and fruit. a little water if required to moisten the mould.

ON PRUNING AND TRAINING.

In a new plantation of gooseberries, great care must be observed with respect to the proper form of the bushes, the shape of which should be similar to that of a common shaped basin.

The gooseberry produces its fruit both on the young wood, and on the spurs of several year's branches; but the fruit on the former is much more

preferable.

Therefore, encouragement is to be given to the young shoots as much as possible; keep the centre clear of shoots and all other wood, and shape the bush regularly round, filling up the sides with as much young wood, and fruitfol spurs as possible, left at regular distances.

In the general winter's pruning, be careful to select the most fruitful young shouts which are not the years. As to vegetables, I suppose no dispute can most luxuriant, but rather those of a middling de-

gree of growth.

Allow them to remain at about six or eight inches apart at the top, or extremities of the young wood, that they may not remain too crowded, which would only serve to prevent the maturing of the fruit.

But if the bush is allowed to run up filled with wood in the centre, keep them as thin of branches of old wood as possible, with which view you will now prune out all old worn-out and cross placed young wood where necessary to fill up their places; and cut out all the over-abundant lateral shoots of

last summer close to the old wood.

When any of the branches are too long aid rambling, cut such down to some convenien lateral all occasions in this pruning, be sure to leave the young shoots at full length, unless it be those of a the fruit will be much smaller; being too full of wood greatly excludes the free air, and reviving sun, from ripening the fruit early or well, and also renders it more troublesome to gather-

The weeping sorts when heavy laden with fruit, suffer much injury by the branches dragging on the ground, but to prevent this, a hoop should be fastened to stakes or posts driven into the ground, and and dash it in the blossoms of a tree of the same at the distance of a foot from it, to which the branch-

es should be dressed.

ON TRAINING TO THE WALL, &c.

Gooseberries do well trained against walls, pales, &c. the proper kinds for this purpose are the largest, finest, and most early sorts, of different colours, such as the Crown-bob, Huntsman, Top-sawyer, red-berries; Nelson's waves, Viper, Rock-wood, yellow-berries; Ocean, Laurel, Independent, greenberies; Smiling-beauty, Wellington's glory, Thrasher, white-berries, and such other fine sorts.

Plant them about six feet apart, along a wall, the full benefit of the sun and air; but if there is not a low wall in a good situation about the premises, to the growth of hops, in consequence of the formed an uninterrupted navigable communication they may be introduced into vacant spaces, at the

and deep enough for the root to lay out at full observe to cut out all old wood, and retain as much of the young as is necessary, laying in the young shoots at full length, and at regular distances from each other.

Look over them at different times during the spring and summer, and remove a great portion of the over-abundant young wood, and nail in the remainder, that they may not shade the advancing

of the fruit being ripe, after which, the less moisture from the canal will speedily discharge the entire they have the better it will be for the flavour of the debt incurred in its construction, and produce, for

gooseberries much earlier, larger, and of superior may be thought conducive to the strength or the tlavour to those in the open ground, which is a con-

(To be continued.)

FARINA.

DEAR SIR, Oxford, March 1, 1826.

As there has been some contention (or difference of opinion) in your valuable work, about the effect Farina has on Fruit Trees, I heg leave to give you the result of my experience on that score—say 20 arise, as almost every farmer and gardener knows they will depreciate, &c. but let it be well understood, that when any two fruit trees of the same species unite together, or within a few feet of each other, should it so happen that they get in full bloom at the same time, one will alter the fruit of the other; and sometimes may alter it for the better, but generally for the worse, and commonly depreciate it very much; but if they do not bloom within ing alive the memory of Washington, and a veneone or two days of the same time, it will have no I buddled some limbs of the white Bergamot Peach, of Independence. So with the founders of such pubsightly, for by cutting the tops off the leading shoots, red streaks in them, but not materially injured; but works that we hope will last until "the waters are it only encourages a profusion of unnecessary young the blood peaches are reduced in flavour and beauwood to spring forth, and in consequence of which, ty and full of white streaks, and will plainly show all who view them that they are absolutely mixed, and do not appear to be the Indian peach. I also beg leave to caution those gentlemen that raise fine pears, not to have quince trees within 50 yards of them, for they are apt to blossom about the same time, and no doubt but will give the pears a rough taste; and if you cut off a limb of a tree in full bloom species, when it is also in full bloom, it will alter the fruit; and the pound pear may be reduced in size, and increased in flavour by the same experiment.

The cause why I now give you this statement is. that people may now look out and see it, as the trees are about to bloom, and appear to have a flat-

tering prospect.

I am, dcar sir, yours respectfully, JOHN WILLIS.

under parts of the wall, such as between rider trees, ready contracted to deliver large quantities of hops at New York and Philadelphia. The whole num-the dam and pier at Black Rock, and into the canal

INTERNAL IMPROVEMENT.

ANNUAL REPORT OF THE CANAL COM-MISSIONERS.

[The following extract from the Annual Report of the New York Canal Commissioners, will be found highly illustrative of the magnitude of the Give them gentle waterings in hot dry weather work, and its prodigious efficacy in augmenting the during the summer, until within about a fortnight prosperity of the whole state. The revenue arising the community that completed it, means amply By attention to the above hints, you may have adequate to the accomplishment of whatever else ornament of a state, which possesses of herself, all siderable advantage at an early period of the season. that is necessary to constitute a great and powerful republick; unfolded and applied as her resources have been, by genius and foresight commensurate with them.

Some would be for erecting monuments to eternize the fame of the founders of such works; but for us, we regard the works themselves and their history, as, of all monuments, the most durable and most pervading in their influence. What, in fact, are mere piles of stone and mortar? Limited in their direct operation on the mind through the senses, perishable in their materials, and too often erected to commemorate the achievements of some unprincipled tyrant-who

"Meteor-like, flames lawless through the void; Destroying others, by himself destroy'd."

Hence we have always regarded the idea of keepration for his principles by any such expedient, as wood, or any coarse naked old branches, retaining effect. My grapes that run together have not the truly ridiculous if not insulting. If the fame of least alteration when they do not bloom nearly at General Washington lasts as long as the art of the same time: and some few vines blooming at the printing, with which it is commensurate—as long same time, have the fruit altered, even when not as the city that bears his name-in a word, as long mixed together. by winds, bees, &c. To prove the as we remain a free nation, his best friends ought above, I beg leave to mention the following fact, to be satisfied. So with all successful asserters of shoot, &c. to remain for a temporal leader, and on with a hope that it may be useful to some people, viz: principles, such as are embodied in the Declaration young shoots at full length, unless it be those of a with buds of the Indian Blood Peach, from the lic works as the New York canals—principles that rambling disposition, and then merely to keep them Cherokee nation. The white peaches have a few will endure as long as the sense of right and wrong:

> Annual Report of the Canal Commissioners. [Made to the Legislature, March 25, 1826.] To the Legislature of the State of New York:

> In ohedience to the act entitled "an act respecting navigable communications between the great Western and Northern Lakes, and the Atlantic Ocean," passed 15th April, 1817, the canal com-

missioners report:

That the unfinished work on the Erie canal at the mountain ridge, along the Niagara river, at Black Rock, and at Buffalo, which remained at the date of our last annual report, was, with some trifling exceptions, finished in the month of October last, and on the 26th of that month, the water having been admitted into the canal from the harbour of Black Rock, the first buat ascended the magnificent locks at Lockport, and passed the deep cut through the mountain ridge into the waters of Lake Eric. We understand, says the Salem Observer, The navigation, which, during the summer, had pale, &c. in an open situation, where they can have the several farmers, in the county of Mi dlesex, terminated in the basin at Lockport, was now ex-

Train them to the wall, &c. in a fan-shaped posi- ber of acres, under hop cultivation, in England, from Buffalo to Lockport, put to the test of actual tion; keep them regularly pruned and dressed to last year, was fifty-six thousand seven hundred and experiment, the strength and solidity of the works, the wall, pale, &c. and in every winter's pruning, eighteen. carrying through the mountain ridge a supply of bawk river at Rome to the Erie canal, and in other water, which would be adequate to the wants of necessary works upon the canals in various places the canal, during the driest seasons. The result of In establishing the rates of toll, we have endeathis experiment was entirely satisfactory.

materially obstructed; this difference arises from weight and more value, a rate somewhat proporthe canal being shaded in many places by the hills, tionate to their ability to sustain it. This policy, and also from the greater degree of cold which exists, at the commencement and close of the season try, will also tend, by increasing the amount of tonthroughout the valley of the Mohawk, than is found nage upon the canal, to augment the revenue. during the same periods of the year, in the more westerly part of the state. The ice formed more than two inches in thickness at the Schoharie creek, mile, and on merchandize ascending the canals, when there was none to impede the navigation on three cents per ton per mile. the middle and western sections. The northerly winds which pass over the high, cold and uncultivated country to the north of the Mohawk, produces canals at the Little Falls, and at the German Flatts, congelation much earlier, and more intense than the at the rate of \$2,38 per ton, including the toll on the same winds which pass over the Ontario, whose boat, and at the rate of \$3,372 for passing from the water imparts its higher temperature to the atmos-Mohawk river through the canal at Rome into Wood phere. This circumstance will give to the western creek, making the sum of \$5,75 per ton for passing part of the canal an average navigation of ten or fifteen days in a year more than can be enjoyed on miles in its utmost extent. the eastern section, and will, with the business which is constantly accumulating upon it, shortly render the last year, it is estimated that nearly one half of A indispensable, some farther improvement through its quantity could not have been transported to marthe valley of the Mohawk. Fifteen thousand bar-ket without the aid of the canals, and a low rate of rels of flour, besides many other articles, were de-toll. tained in the month of December, by the ice, between Utica and the Hudson.

and Champlain canals the past year, the sum of five ed on the Eric and Champlain canals, to and from 19,140 do. provisions hundred and sixty-six thousand two hundred and tide water, excepting the amount which has passed 40,735 do. salt twenty-one dollars and fifty-one cents: -Of this sum the sloop lock at Troy, and the quantity which may seventy-three thousand five hundred and fifty-seven have been brought from the eastern section of the the Champlain canal.

The toll of 1824 produced the sum of three hundred and forty thousand seven hundred and sixtyone dollars and seven cents, which has been exceeded by the income of last year, by the sum of two hundred and twenty-one thousand four hundred and sixty-four dollars and forty-four cents. The extenof business upon all parts of it, afford ground to believe, that the toll will increase at nearly the same rate the present year, and we estimate the receipts of 1826, at seven hundred and fifty thousand dol-

We add the estimated amount of	\$750,000 100,000 250,000
It makes the aggregate receipts \$ From this must be deducted the estimated annual expense of repairs and superintendence, \$100,000	
Do. do. of collecting the tolls, in- cluding pay of collectors, in- spectors and clerks, and for sta- tionery and all contingent ex-	
penses,	565,000

And it leaves the balance of \$575,000, from the income of the year 1826, applicable to the reduc-

\$575,000

tion of the principal of the debt.

The amount of money expended from the receipts of 1825, will be absorbed in the payment of damages of unsettled accounts, in the completion of the improvement on the Champlain canal, in the construction of a feeder from the Mo-

voured to graduate them in such manner as to en-The navigation of the canals opened in the month courage the transportation of the ponderous proof April, and terminated in December. The east-ductions of the country, which without such faern section of the Eric canal was closed with ice vourable discrimination, could not be taken to some weeks before the more westerly sections were market, and to charge on other articles of less

which is favourable to the commerce of the coun-

The average rates of toll upon the products of the country, is something less than one cent per ton per

The western inland lock navigation company in 1818, charged on all property passing the locks and on an artificial navigation of from ten to fifteen

Of the property which has descended the canals

The following statement of property which has passed the collector's office at West Troy, exhibits There has been collected from tolls on the Erie a view of all the articles which have been transport- 151,718 bbls. of flour dollars and twenty-eight cents, was derived from Erie canal, west of Schenectady, after the closing of the navigation by the frost.

To the Canal Commissioners of the State of New

GENTLEMEN-The following is a correct statement of the boats, with their freight, and rafts which have passed on the junction canal, from the 7th of April sion of the canal to lake Eric, and the augmentation to the 12th of December, 1825, from the opening to the close of the canal

the crose of the canal.
Whole number of boats and rafts, inward
and outward, 13,110
Whole amount of tons inward, toward
the tide-water, 185,405 Whole amount do. outward, from tide-
Whole amount do. outward, from tide-
water,
Total inward and outward, . tons. 219,074

Consisting of the following articles:

Clover and grass seeds

inward.	
Boards, plank, &c. feet .	32,603.545
Timber, cubic feet	655,912
Staves 9,157,787, M	7,631
Shingles, M	4,2624
Wood, cords	14,069
Flour, bbls	221,093
Ashes, bbls	24,249
Provisions, bbls	22,726
Salt, bbls	20,841
Lime, bbls	12,136
Oil, bbls	1,309
Beer, bbls	661
Cider, bbls	576
Kelp, bbls	19
Iron, including cannon, &c. tons	2,586
Domestic spirits, galls	435,273
	tone cont

Gypsum			3906	
Stone			2658	
Sand, clay and brick			1413	
Cheese			596	12
Butter, lard and tallow			640	8
Hops	·	•	207	12
Fur and peltry .		•	148	12
Furniture	1	•	191	12
Merchandise .		•	205	19
Non-enumerated	•	•	1945	5
Wheat, bushels		562,783	1343	~
Coarse grain, do		141,703		
		4,227		
Beans and peas .		6,145		
OUTWAR	D.			

		tons.	cwt.
Merchandize .	: :	30,101	17
Furniture .		769	9
Gypsum		973	
Stone .	:	258	
Western salt, bbls.	7,003	5	
Sand and clay .		455	
Non-enumerated		237	3

All of which is respectfully submitted, by your edient servant,

JABEZ BURROWS. obedient servant, West Troy, Jan. 1, 1826.

comparative view of the transportation upon the Erie Canal, during the years 1824 and 1825, is given by the following statement from the Collector's Office at Utica.

5,264 boats were ent'd with 9,000 boats were entered with

1825.

237,124 bbls. of flour

42,808 do salt

18,741 do provisions

1894

127 do hops 104 do fur & peltry

880 do household

furniture 19,773 do merchd'ize

40,735 do. salt

00 051 do

22	٠,٠	ear ac	ວ. ະ	isnes	24,001	do asnes
	١,٤	537 de	0. (oil	1,186	do oil
1	5,5	573 de	0. 1	vater eem't	9,602	do water cem't
27	3,	551 bu	she	els wheat	547.497	bushels wheat
No	5	accit o	f e	oarse grain	29,181	do coarse grain
	7	,917 b	ush	els flax seed	2,755	do flaxseed
3	49	765	gal	s. domestic	409,768	galls. domestic
		S	piri	ts		spirits
3,	47	7,774	fee	t boards and	18,667,343	feet boards and
		\$	can	tling		scantling
	3	1,357	tub	. feet timbe	521,556	cub. feet timb'r
1,	16	1,000		shingles	2,793,000	shingles
1,	99	9,000		staves	7,721,000	staves
	14	3,000		split lath	659,000	split lath
		5,662		boxes glas	si 13.307	boxes glass
				ns wool	102	tons wool
		7,136	do	gypsum	1,666	do U.S. nav.
	~	83	do	tallow	1	prop.
				cheese	7,949	do gypsum
		381	do	butter and		do tallow
				lard	330	do cheese

goods 22,553 do merchandise including eastings, oysters, clams, and several other articles which were charged a different rate of toll in 1824.

542 do butter and

lard 222 do hops

134 do fur & peltry

1,208 do household

The number of persons passing Utica in freight and packet boats during the last season has exceeded 40,000, and the number of boats, arks, and cribs, which passed the same place has been equal to forty-two for every day throughout the period of navigation.

STEPHEN VAN RENSSELAER, SAMUEL YOUNG, HENRY SEYMOUR WILLIAM C. BOUCK:

March 26, 1826.

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LADIES' DEPARTMENT.

A WHISPER TO A NEWLY-MARRIED PAIR

ON PRUDENCE AND DECORUM. (Continued from p. 21.)

I eannot express the great dissatisfaction I feel at hearing married women laugh at and ridicule ladies who are advanced in life, and still remain singlefemales who probably in every respect are decidedly superior to the lady who treats them with contempt and who perhaps remain single merely because they possess more delicacy of mind, and are not so easily pleased in the choice of a husband. Various are the eauses which may occur to keep a woman single: duty, prudence, and, not unfrequently, con-stancy to a beloved object; while a swarm of misses, strangers to sentiment, to delicacy, and to good sense, merely from their cagerness to become wives. clasp the chain of Hymen, and inconsiderately link themselves in the same moment to matrimony and misery, in the form of some petit maitre or antiquated beau.

Some wives, in order to display their own superiority to their husbands, are very fond of lessening and undervaluing the merit of other wives; be above

principled.

Should you, gentle lady, be in the decline of life, allow me to bring to your recollection the emphatieal address of St. Paul to aged women, where he charges them to teach the young women to be sober, to love their husbands, to love their children, to be discreet, chaste, keepers at home, good, obedient to their own husbands, that the word of God be not blasphemed. (Tit. ii. 4, 5.)-When the apostle speaks of keeping at home, he seems impressed with the calm, unobtrusive retirement of that domestic sphere which Providence and nature have assigned to women. Strongly, indeed, does he seem influenced by it when he says, She that liveth in believe me," says a most useful writer of the prepleasure is dead while she liveth. (1 Tim. v. 6.)

Chapter IV.

ON DOMESTIC ECONOMY.

I would recommend every woman, if possible, on her marriage, to get some yearly allowance, though ever so trifling, settled on her. Believe me, the little unavoidable demands on her husband's purse, to which a wife is so frequently compelled to have recourse, is very ant to ereate bickering and discord; and that at the very moment perhaps when all is peace and harmony between them: and when once good humour is put out of its way, it is not such a very casy matter, rely on it, to bring it back again to its old course.

Conscientiously manage your husband's properly and shun every approach to extravagance. The domestic economy of a family is (as an admired writer remarks) entirely a woman's province, and furnishes a variety of subjects both for good sense and good taste. The want of economy has involved thousands in misery; and in those houses where extravagance is predominant, little is beheld but disorder and confusion. Their families are, in general, as dissipated and thoughtless as themselves. Harmony and decorum, with their inseparable companions peace and happiness, are guests that find within such walls neither residence nor repose.

In regard to money matters, some wives seem to think that all is gain which they can get in any way from their husbands; without ever considering that the state of his purse is a matter of equal con-

sequence to both.

Particularly avoid every thing like extravagance. I really think a great deal of money is frequently expended in buying things which, after a while, we find we could have very well done without. The

adage, "Take care of pence, the pounds will take company, what but anarchy and confusion at home care of themselves," is either not remembered at must be the consequence? If we could but see the all, or, if it does occur to the mind, is allowed to inside of some fashionable houses, how much would have but little influence.

Be extremely regular as to bills, payments, &c. You cannot think how much trouble may be avoided by regular weekly payments. It is sometimes very difficult to ascertain the correctness of a bill proper conversation of these servants! Here, meat delay constantly subjects you to imposition.

Much, indeed, will attention to order and regularity contribute to the comfort of your husband. Men particularly love neatness, tidiness, and method: any thing soiled or out of place discomposes them; and a littered room will often make them peevish.-Meals should always be ready at a stated hour: a little decision and firmness will soon make ly are clothed in searlet. (Prov. xxxi.) your servants punctual. Rise early; give your orders early; breakfast early; be ready to sit down to your work-table early. Doing much before twelve o'clock gives you a command of the day, and gets you through it with ease. But, adieu to all this order and regularity, if you are fond of lying in bed! "Eight hours sleep," say our physicians, "are quite enough:" and the woman who prefers her pillow to and undervaluing the merit of other wives: be above the numerous advantages which early rising prosuch a paltry artifice; it is both ungenerous and unduces, would not, I fear, have strength of mind to perform more important duties. An hour rescued from sleep does wonders, and your health is much benefitted by it. How long wilt thou sleep, O sluggard? When wilt thou arise out of thy sleep? Yet a little sleep, a little slumber, a little folding of the hands to sleep: so shall thy poverty come as one that travelleth, and thy want as an armed man. Prov. vi. 9-11.)

"Do not defer till to-morrow what may as well be done to-day," says the old proverb. If you have a letter to write, why not do it to-day as well as tosent day, "comes loaded with duties of its own. And when it does arrive, we always feel pleased at not much likes to see his wife dressed with neatness, as

day."

Few things please a man more than seeing his wife notable and clever in the management of her household. A knowledge of cookery, as well as every other branch in housekeeping, is indispensable in a female; and a wife should always endeavour and nice. Some one says, "A woman should never to support with equal applause the character of the appear untidily or badly dressed, when in the pre-lady and the housewife, "I tell you, my good madam," sence of her husband." While he was your lover, lady and the housewife, "I tell you, my good madam," says a humorous character, "when your husband comes home hungry at five o'clock, he won't look ed to disadvantage!—"O dear, there he is, and my very pleasant at being put off with music, sentiment, and poetry, instead of a comfortable dinner. Bless my stars! I have known some ladies, who could play a fine tol lol on the piano, talk with you your husband, "Dear me, what consequence? My all day long about poetry and history, and gabble object is gained; my efforts to win him, and all my Italian and French like a monkey; and yet if the husband of one of them asked for a beefsteak for and it is very hard if a woman is to pass her life in dinner, mercy me! she doesn't know whether it endeavouring to please her husband!" I remember should be roasted or fried, or if he wished for a venison pasty, the accomplished lady is equally ignorant whether paste be made with butter or mutton suet! I ean't abide such balderdash!"

A woman should endeavour to wield her needle, and to manage her scissars, with dexterity and cleverness. This is the peculiar province of a female; great comfort and economy are derived from it; and a man is always pleased at seeing his wife thus employed. Solomon in describing an excellent woman, makes her particularly expert at her distaff and spindle. And all Homer's lovely matrons-

"Deck'd with the freshest tints of beauty's bloom, Bond o'er the distaff, or direct the loom."

pleasure of getting a great bargain often induces sist in the order and management of her family; ed associates. When I hear a woman of small for-

people to part with their money; while the old and when much of her time is spent in visiting and surprise and reflection be excited! The mistress perhaps at the theatre or a card-party; servants drunken, extravagant, criminal; children receiving their very first impressions from the oaths and imwhen allowed to lie over even for a month, and the perishing which might have fed the hungry; there. garments mouldering which might have clothed the naked: in one place, filth and nastiness concealed; in another, valuable furniture tossed about without decency and without care. No fortune can answer such immoderate expenses; no comfort can consist with so much disorder. A good woman looketh well to the ways of her household, and all her fami-

> Chapter V. ON DRESS.

Let me entreat, gentle lady, that your dress may be expressive of delicacy and purity of mind. Behold a woman in the attire of a harlot! exclaimed the wise man on beholding an indecorous dress. And surely when a woman appears in public with a bare bosom, exposure of figure, perhaps with rouged cheeks, it cannot be acting too severely to adopt the same language, and cry out in disgust, 'Behold a woman in the attire of a harlot!' What! a wife, a mother, in such a dress! O all ye feelings of virtue and propriety, rescue our matrons from the degradation! Would they but reflect for a moment, "could women in general," as Mrs. H. More says, "know what was their real interest, could they guess with what a charm even the appearance of modesty invests its possessor, they would dress decorously from mere self-love if not from principle. The designing would assume modesty as an artifice; the coquette would adopt it as an allurement; the morrow? If you have a visit to pay, why not do it the coquette would adopt it as an allurement; the to-day as well as to-morrow? &c. &c. "To-morrow," pure as her appropriate attraction; and the voluptuous as the most infallible art of scduction.2

There is not an bour in the day in which a man so having it encumbered with the business of yester- when she leaves her bed-room, and sits down to breakfast. At any other moment, vanity stimulates her efforts at the toilette, for she expects to see and to be seen; but at this retired and early hour, it is for the very sake of cleanliness, for the very sake of pleasing her husbaud, that she appears thus neat hair all in papers; and this frightful unbecoming cap! I had no idea he would have been here so early; let me off' to my toilette!" But now that he is little manœuvres to captivate, have been successful, greatly admiring a lady who lived among the mountains, and scarcely saw any one but her husband. She was rather a plain woman; and yet when she sat to breakfast each morning, and all the day long, her extreme neatness and attention to the niceness of her appearance, made her quite an agreeable object; and her husband loved her, and would look at her with more pleasure than at a pretty woman dressed soiled and untidily: for believe me, those things (though your husband appears not to notice them, nor perhaps is he himself conscious of the cause) strongly possess the power of pleasing or displeasing.

I have a great dislike to see a woman's dress exceed the expense which I know her husband can afford. "A woman's greatest praise does certainly con- fine laces and silks and a scanty purse are ill-matchat once think it a libel not only on her understand-

ing but her principles.

I will now conclude this subject with the apostle's sentiment, when speaking of Christian wives: Whose adorning, says he, let it not be that outward adorning of plaiting the hair, and of wearing of gold, or of putting on of apparel; but let it be the hidden man of the heart, in that which is not corruptible, even the ornament of a meek and quiet spirit, which is in the sight of God of great price. (1 Pet. iii. 1, foxhounds, bred by Lord Thanet, who continue 3, 4.) These words "a meek and quiet spirit" make the chase during the greatest part of the day. The at this moment a most powerful nopression on my mind, and have excited the following reflections, to which, gentle lady, I beg to direct your attention.— lied as soon as he had accomplished it. One of the It is not to be supposed the apostle alluded to the little days and almost immediately expired. The meek and quiet spirit which is so often produced by nature, or constitution, or perhaps by insensibility, and which costs us nothing to attain. O no! the meckness and quietness he speaks of must be the effect, not of constitution, but of principle; not of nature, but of grace. I know many women who would be gentle 'Pagans as well as gentle Christians; who would be nieck if there was no Bible, and amiable if they were ignorant of the being of a God! And though characters of this kind are interesting and valuable for the sake of society, they are certainly not the description of females who are in the sight of God of great price. The word quiet has an extensive meaning, and refers not so much to temper as resignation. St. Peter evidently intends by this word to express a quiet acquiescence, a patient resignation, an uniform composure to the painful but inevitable evils inflicted on us by the hand of Bosley, of Baltimore county, on Thursday nex God. He refers to that calmness of spirit which is 20th inst. As there are many arrangements to t not easily provoked, which beareth ALL things, and made, preparatory to the approaching show, it is endureth all things, which subdues the risings of animportant that the trustees give an early and general ger and resentment, and calls down divine help to attendance on the above named day. sooth the heart which nature would fain agitate and discompose. He means that meek and quiet spirit which bears with the perverse and unreasonable tempers of those with whom it may have to deal, Delaware, by whom the breed will be preserved and which checks at once every inclination to a its purity, and justice and credit will be rendered fretful or an angry reply; which quells the first adby the skilful management of these fine animals to vances to repining, produces content in whatsoever their eminent breeder, Mr. Charles Champion. state God has placed its possessor, and enables the person who is under its animating influence to bear all the small inferior crosses of the day with that fortitude and equanimity which is one of the distinguishing characteristics of true Christianity, and such only can be the meek and quiet spirit which the apostle would consider as meriting his high en-

(To be continued under the head of Family Duties, &c.)

MISCELLANEOUS.

CURE FOR TETTER OR RING WORM.

After I had the tetter for nearly twenty years on my hand, and had used dollars worth of celebrated tetter ointment, which took off the skin, repeatedly, without effecting a cure, a friend advised me to take some Blood Root, (called also Red Root, Indian Paint, &c.) slice it in vinegar, and afterward wash the place affected with the liquid. I suppose the vinegar extracted the strength out of the root, for in a few days the dry scurf was ed States.

WM. TORREY, Jr. removed, and my diseased hand appeared as whole as the other. I could scarcely believe that a per-fect cure was so speedily accomplished by this simple remedy; but as nearly two years have passed without the least appearance of its return, I need no longer doubt the fact, and for the benefit of others, I wish the value of the Red Root to be more generally known.

"It grows about a foot high in rich woodland, and flowers in April. The leaf is roundish and

tune say her pelisse or lace cap cost a large sum, I white. When the fresh root, which is about the size of the little finger and blood red, is broken, a juice issues in large drops resembling blood."

[Ewell's Medical Companion.

REMARKABLE STAG HUNT.

Some years since, a stag was hunted from Win field Park, Westmoreland, until by fatigue or acci dent the whole pack were thrown out, except two foxhounds, bred by Lord Thanet, who continued stag returned to the park from whence he had been driven, and as his last effort, leaped the wall, and lied as soon as he had accomplished it. One of th it, laid down and almost immediately expired. The other hound was found dead about a half a milfrom the park. They were supposed to have run not less than one hundred and twenty miles.

THE FARMER.

BALTIMORE, FRIDAY, APRIL 14, 1826.

TRUSTEES OF THE MARYLAND AGRICULTURAL SO meeting has been rendered unavoidable. It wi take place, however, at the residence of Col. N. A

The Dishley sheep advertised in the las Farmer, have been sold to Mr. John Barney

The highly respected LINDLEY MURRAY, the au ther of 'English Grammar,' and many other approv ed works on education, died on the morning of th 23d of February, at his house at Holdgate, nea York, in the 81st year of his age, and in the fu possession of all his mental faculties. Mr. M. wa a Quaker, and a native of Pennsylvania.

Tobacco.-Amount of Inspections in the thre State warehouses, from the 1st to the 13th of Apri inclusive, 231 hhds.

IMPROVED COTTON GINS.

The subscriber, is prepared to receive orders for th manufacture in this city, of the above machines, upo an extensive scale. He has introduced into the Gir and extensive scare. The has introduced into the din made by him all the late valuable improvements, particularly those of Dr. It. Nutt, of the State of Mississip pi; and by the style and durability of the workmacship hopes to merit extensive patronage. The Gins will be

New York, April 8, 1826.

CONTENTS OF THIS NUMBER.

Essay on the Culture of Tobacco, by J. S. Williams-On the Cultivation of Mangel Wurzel, Beets, Parsnips and Carrots, by Robert Sinclair—On Diseases and Accidents of Farmers; continued—On the Cultivation of Madder—Prospect of Crops—Treatise on the Growtl and Culture of the Gooseberry—Culture of Hops—Or the Farina of Fruit Trees—Annual Report of the New York Caual Commissioners—Whisper to a Newly mardeeply indented, somewhat like the white oak leaves ried Pair, continued—Cure for Tetter or Ring Worm—stems naked, supporting single flowers, blossoms Remarkable Stag Hunt—Advertisement—Editorial.

PRICES CURRENT.

a	- ILLUES (OL	HUN	1214		
u		I	WHOL	ESALE.	PE2	AIL.
	ARTICLES.	per.				
		J 02.	from	to	from	to
	BEEF, Baltimore Prime,	bbl.	8	1		
	BACON, and Hanis,	lb.	5	8	9	12
	BEEG WAY A	1				1
-	BEES-WAX, Am. yellow	-	33	1	40	50
1-	COFFEE, Java,	-	17	18,	22	25
i-	Havana,		15	17	18	20
o'	COTTON, Louisiana, &c.	=	14	16		
	Georgia Upland,		11	121		
d	COTTON VIDN No 10	_		***2		
e.	COTTON VARN, No. 10,	_	53			
n	An advance of 1 cent			1		
	each number to No. 18.	_				
d	CANDLES, Mould,	_	12	1	14	16
ie	Dint.	-	10		7.1	124
er	Dipt,			10	10	
_	CHEESE,	_	8	10	12	15
ie	FEATHERS, Live,		32	33	37	
le	FISH, Herrings, Sus.	bb].	2 50			
n	Shad, trimmed,		6		8 /	
"1	FLAXSEED, Rough,	bush	75	,	971	
	PLOUD Conseque site			4 25		0.00
	FLOUR, Superfine, city,	bbl.	4 00	4 25	5 00	6 00
	Fine,		4			
	Susquehanna, superfi.		4		4 25	
	FLAX,	Ib.	9	11	1	
	GUNPOWDER, Balti	25 lb	5 00		5 50	
-1	CRAIN Indian Com		68	70	- 00	
		bush	- 1			
-1	Wheat, Family Flour,	-	80	85	3	
)-	do. Lawler,		65	70	-	
- 1	do. Red,	_	80	83	}	
r.	Rye,		65	70		
ie			80		3	
15	Barley,	hust		4 25	1 75	
_	Clover Seed, Red	bush		2 20	4 75	
ie	Ruta Baga Seed,	lb.	1	1	0.00	
$\ \ $	Orchard Grass Seed,	bush	1 75		2 00	
I.	Mangel Wurtzel Seed,	- !	1 25		1 50	
	Timothy Seed,	- 6	1 50	2 00	2 50	
t,		/	43	45	50	
)e	Oats,		1 50		1 75	
is	Beans. White,	_		1 62	. 13	
al	HEMP, Russia, clean, .	ton	215	220	_ 1	
	Do. Country		120	180		
	HOPS,	lb.	24		37	
	HOPS, HOGS' LARD,		7	83	1	
st	LEAD, Pig	lb.	6 1	7	- 1	
		10.	71		1	
ol	Bar			0.5	60	
n	LEATHER, Soal, best,	_	24	25	62	
d	MOLASSES, sugar-house	gal.	45		621	7.5
to	Havana, 1st qual	-	26	261	374	
	NAILS, 8a20d	lb.	61		9	
	NAVAL STORES, Tar,	bhl.	1 27	1 31	1	
	Pitch,		2			
1-	Tunnantina Cafe		1 75	2 00	- 1	
	Turpentine, Soft,			2 00	40	
V -	OIL, Whale, common, .	gal.	30		40	
ıe	Spermaceti, winter .		68	70	88	50
ar	PORK, Baltimore Mess,	bbl	11 00	12 50	-	1 00
ill	do. Prime,		8 50	9 00		
	PLASTER corre unico	ton.	4 50			
as	PLASTER, cargo price,	1				
	ground,	bbl.	1 50			
	RICE, fresh,	lb.	3		5	6
	SOAP, Baltimore White,	lb.	12	14	18	20
ee	Brown and yellow,		5 1	7	8	12
il,	WHISKEY, 1st proof, .	gal.	271	281	38	50
.19	PEACH BRANDY, 4th pr	541.	75	1 00	1 25	30
	ADDIE DE LADY				50	
-	APPLE BRANDY, 1st pr	- 11-	35	37		10
	SUGARS, Havana White,	c.lb.	13 50		15	16
	do. Brown,		9 00	9 50		
ne	Lo siana,	_	7 75	9 50		11
	Loaf,	lb.	19	22	20	28
n			70		1 00	
ns	SPICES, Cloves, Ginger, Ground,		7		12	
i-				-		
p-	Pepper,	-1	17		25	
р,	SALT, St. Ubes,	hush	46	48	-	
00	Liverpool Blown	_	53	55	75	
t-	SHOT, Balt. all sizes, .	ewt.	9 50		12 50	
-	WINES, Madeira, L. P.	gal.	2 50	3 00	3 50	4
		Sar.			2 00	*
	do. Sicily,	-	1 20			1
=	Lisbon,	-	1 15	1 25		1 75
	Claret,	doz.	4	8	5 00	9 00
	Port, first quality,	gal.	1 50	2 00	2 50'	
_	WOOL, Merino, full bl'd	lb.	35	40)	
s,		10,	28	30		ashed!
	do. crossed,	_		30	} but t	ree of
3-	Common, Country,	-	25		tags.	
f	Skinners' or Pulled, . !	- 1	33	35	} °''	
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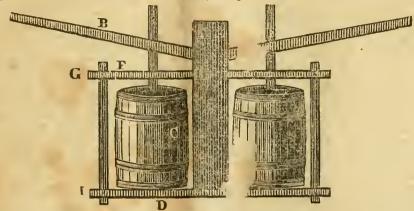
SKINNER, Editor, by John D. Toy, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

PRIZING TOBACCO.

Highlands, Elk Ridge, March, 1826. DEAR SIR,

of sufficient consequence, may avail themselves of it nomizes the labour of the American farmer, is still if they think proper. The value of this method is unknown to the British husbandman. considerably enhanced by having two prize levers connected with one post, in the centre, so that two in Dr. Radeliff's Flanders. It has subsequently Having last year made an improvement in the method of prizing tobacco by levers, which not the hands employed at this work can always be tural works. And it has been recommended also only facilitates the operation greatly, but dispenses engaged at one or the other. As I have not an op- as a modern improvement here; where it has been with a vast deal of labour with blocks, &c., I take portunity of drawing it to a scale, I must give you in use for centuries. Dr. Radcliff, and after him the liberty to send you a sketch of it for publica- a rough draft of it.



frame made of tough wood about three inches square, consisting of two pieces, tenanted together the lever is raised for prizing, an iron pin must be upon the sides of ridges or hills. This implement, at G, one end entering a mortice in the post at H, placed in one of the holes of the sword immediatethe other end with a mortice to fit on a tenant ly under the lever; after it is prized down to a hori-made on the end of the centre sill at I. There is zontal line, another iron pin is to be inserted in one A man, with the drill barrow, will put in five acres a mortice cut in the centre of the upper piece of the holes in the sword, directly under the mortisframe and also through the lever immediately over it, of just sufficient width to admit the sliding of the sword. The length of the mortice in the made, when the frame pin is again placed close lever must be adapted to the movement of the under the mortice. The prizing is thus continued sword and the lever, according as the latter is until the tobacco is sufficiently pressed, when the hards are small. The cultivator is exactly switch the plants are small. The cultivator is exactly switch the plants are small. The cultivator is exactly switch the plants are small that the mortice. The prizing is thus continued the plants are small. The cultivator is exactly switch the plants are small that the plants are small that the plants are small to the plants are small. The cultivator is exactly switch the plants are small to the plants are s brought upon a diagonal or horizontal line, so as hands leave it to settle, and go to work on the other to admit the sword to stand perpendicular, when hogshead. the lever is prized down.

of the sword to project forward from the post, and see it. in advance of a perpendicular line a few inches.

The mortice (if it may be so termed,) in the frame, is cut forward of the centre, and then en-The object of this is to allow the frame to be removed when it is necessary to fill up the hogshead, side, to confine the pin to one place.

I am aware of the great difficulty in making the It should be particularly remembered that the explanation sufficiently intelligible, and must leave lever ought never to be prized below a horizontal such parts of it as cannot be minutely described, to line. When the lever is raised up for a prize, the the discernment of the reader; or will take pleasure mortice should be cut so as to allow the upper end in showing mine to any person who may wish to Yours, respectfully, J. S. WILLIAMS.

P. S. The under part of the mortice in the lever should be shod with an iron plate of ½ inch thicktirely through the piece to the mertice in the post ness, and to fit close to the mortice, (to prevent its being cut by the pin,) and a little indented on each

THE HAINAULT SCYTHE.

[From an esteemed friend, (not a practical agriculturist,) we received a number of the Northern Whig, an Irish paper, containing an engraving of what in England is called the Hainault Scythe-in French Flanders called Piquet, or petite faulx, plement was not unknown in the neighbourhood of the upper Hudson river, we sent the paper to Judge observations on some other subjects, like every thing from his pen, are worthy of attention.] DEAR SIR, March 18, 1826.

descendants, and is sold in our shops.

No. 5. - YOL. 8.

more expeditiously, than the former. But as it is difficult to acquire the expert use of it, the scythe is gradually getting out of use, and is seldom seen but among the Dutch population. The cradle has superseded it for light grain; and our labourers have become so expert with the latter, that it is used (small scythe.) Under an impression that the imeven for our heaviest grain, where it is not lodged. structed in the use of the Hainault scythe, they need not, like the Scotch farmers, send to Flanders Buel, for his inspection and remarks—which, with for teachers, as we can furnish them at less expense.

I have seen it somewhere stated, that Judge Pe-I have examined the draft of your Hainault Britain, and that a Yankee was found to demon Scythe, and find it the same as the Dutch Scythe strate the economy of their use in the grain harcaused a mutiny among the labourers, lest they

tion, that those who may consider the advantages lumber; and the grain cradle, which so greatly eco-

The first mention I find of the Hainault scythe is description and figure of the Flemish mouldebart, which the reader cannot have failed to observe, is a mere modification of the scraper extensively used upon our canals and roads

While on the subject of implements of husbandry, I cannot omit to speak in high commendation of Robert Sinclair's cultivator, one of which I have had in use several years. It is particularly useful in light soils. The times are better calculated to pulverize the soil than those of any other model I have seen. It is used to advantage in dressing corn, and particularly root crops, such as mangel wurzel, ruta baga, turnips, &c. It is of great benefit in cultivating cabbages, and I know of no implement so useful in a nursery. It may be used superficially, or, by repeating its operation, driven to the depth of six inches or more. It requires the power of a single horse. This cultivator is suscep-A. The post; B the lever; C. the hogshead; D. the centre sill of the platform; E. an iron sword one inch thick, four inches wide and four feet long, perforated with inch holes at half an inch apart; F. a forated with inch holes at half an inch apart; F. a little dished in the centre, laid on frame made of touch week about these inches on the little dished in the centre, laid on frame made of touch week about these inches is the regime the blunt point of the current. When tible, I think, of two improvements. It might have with the aid of the drill barrow, greatly reduces the

MERINO SHEEP.

Steubenville, March 3d, 1826.

At your request I send you the following statement of our flock of Merinoes. In the summer of 1821, my brother and myself purchased of Wm. R. Dickinson, Esq., 100 Merino ewes for \$1500, and one buck for \$25. The following is the amount of sales of wool since that time:

1822, . . 500 lbs. wool-\$365.35—average 73 cts. 1823, . . 720 do. 535.80 do. 74 1824, . . 902 1825, . 1180 do. 604.70 do. 67 754.75 do. do. 64 \$2260.60

Rams sold in the several years at 25 to \$50 750.00 each, . \$3010.60

The flock at present consists of about 400 sheep, the wool of which, at the next shearing, will produce upwards of \$1000; and at a very low valuation we consider it worth \$6000, and in fact could sell it for much more, by dividing it into parcels. You will observe a considerable difference in the average price in the two first and the two last years, which is caused by a change in the prices of wool at the manufactory of B. Wells & Co. In 1822-3, there which was introduced by the first settlers along the vest. Their merits, as labour-saving machines, was no grade termed prime, and all full blood, or banks of the Hudson, which is still in use by their were fully acceded; but yet this very circumstance No. 1, sold for 80 cents. In 1824-5, the wool sorters caused a mutiny among the labourers, lest they made a new grade, which they called prime, or The scythe is an improvement on the sickle, for should be thrown out of employ by its introduction. No. 1, and sold for 80 cents; and full blood, or No. 2, any or ladged grain, as it cuts consults clear, and the sickle for should be thrown out of employ by its introduction. heavy or lodged grain, as it cuts equally clean, and and these implements were thrown by as useless for 60 cents. I explain this, lest you might suppose

our flock was deteriorating-which would be just of the growth of corn. When planted late in the reverse of the fact; for it is admitted by the March or early in April, its roots extend to a consi-

wool staplers that it is yearly improving.

present than it is, had we permitted our young ewes of early planting. As the blades unfold and proto have taken the buck at the usual age; but we kept gress in height, the roots will not only keep pace them from the buck until the fall after they were with, but actually outstrip the growth of the top, two years of age, with an idea of increasing their and, as some assert, will under favourable circumvice to the wool-growing cause.

Yours, with esteem, JOHN M'DOWELL.

For the information of "A Connecticut Farmer," wool in the dirt:

No. 1, or	prime,	3941	bs. at	80 c	ts. per l
2, or	full blood,	424	66	60	66
	78,			45	
	3,		66	35	ee .
	1,		66	25	66
6, or	common, .		cc	22	66

The 15 lbs. of No. 4, and 6 lbs. of No. 5, are from 3 coarse wethers, which we accidentally got. All our wool averaged, in 1824-5, 67 and 64 ets. Our fleeees averaged the same years 42 and 42 lbs., the lightness of which is owing to a great part of our sheep not being full grown, and the chief of the remainder being breeding ewes. As to our having made use of Saxon bucks, the "Connecticutt Farmer" has mistaken me. I stated (if I recollect correctly,) that our flock was descended from Spanish ewes and Saxon bucks, which would have been precisely correct, if I had said a Saxon buck. A Mr. Muller imported a Saxon buck of a very superior form and quality, from whom he was purchased by a Mr. Caldwell, of New Jersey, a gentleman of profound skill and great taste in Merinoes, for the sum of \$1000. He was called Columbus. Mr. Dickinson purchased the foundation of his flock from Mr. Caldwell among which he got three ram lambs out by Columbus, one of which was the original ram we purchased from Mr. Dickinson, and from which all our flock are descended.

JOHN M'DOWELL.

P. S. I have just seen Mr. Dickinson, after my better known in this country, the Baron de Basse,, respecting Merino sheep, he informed him that he had brought with him to this country from Saxony, Columbus and his mother, and sold them to Mr. Caldwell; that as there was no particular predilection for Saxony sheep at that time over Spanish, Mr. Dickinson never thought of mentioning the subject to Mr. Caldwell when he saw him afterwards; but he has now written to him to vouch for the authenticity of the Baron's statement, of which you shall hear in due time. Mr. Dickinson says, of his own knowledge, Columbus weighed 160 lbs. and his fleece 121 lbs., and would be what is called now J. M·D. a pick lock fleece.

ON PLANTING INDIAN CORN.

[From the Easton Gazette.]

The first rule which every farmer ought to be governed by, is to study and understand the nature of the vegetable he intends to deposit in the earth, and the laws by which it is governed in its progress to maturity: for every species of the vegetable kingdom is governed by certain peculiar and immutable laws, which were attached to each, by our all-wise this be their common food until twelve or fifteen

I shall now proceed to give a succinct history | April 10th, 1826.

derable distance under ground, before it appears Our flock would have been considerably larger at above; and hence is derived one of the advantages This I send for your own eye, and not for stances, grow to the same length of the stock and publication, unless you may think it will be of ser- tassel, when the grain is fully ripe. The seed should never be planted less than two inches deep. For whoever takes the pains to examine, will find that every stalk of corn, when it has arrived at the height of four or five inches, always takes fresh root about one inch above the first, which gradual-I send you a copy of one of our wool bills, with the ly decays and dies. If it is planted only at the prices given at B. Wells & Co.'s manufactory, for depth of one inch, the new roots, in the effort they make to obey the laws of their nature, will not have sufficient depth of earth in which to display themselves, and of course the corn will become pale and sickly. About midsummer it again throws out another set of roots, the same distance above the former; and lastly, those roots which shoot above ground and descend into the earth, and appear designed by Providence as a prop to the lux uriant stalk and its appendages. All farmers will admit that this plant requires careful and repeated ON DISEASES AND ACCIDENTS OF FARculture, and that it should be planted at a convenient distance. The plan of drilling, and cultivating the corn with the plough or harrow, only one way, may answer on land where silex or sand predominates, when the soil consists of a deep, black, porous or spongy loam. But I take it to be an undoubted axiom, in agriculture, that corn should be always cultivated with the plough and harrow both ways, on all soils where argil, or clay, predominates. But such is the inveteracy of custom, and the pride of of experience.

The most usual and approved distance is from four and an half to five feet each way. This is perhaps the best in good land, or where manure found successful: can be applied. But in our tired and exhausted

1. Apply lev soils, which cannot be assisted with manure, the above distance one way, and two and an half feet the other, with only one stalk in a bill, will prove half hour.* better. The number of corn hills in an acre will, of course, be the same. Care should also be taken, cases of two negroes cured, by giving Cayenne

of planting. You may expect shortly, a few remarks on the cultivation of corn.

A TALBOT FARMER.

DISEASE OF PIGS.

Answer to Inquiry in No. 3.

Cook or boil all food for pigs when weaned young. Corn meal, as a general food, is best; but even this case of a person who was cured by large doses of in its first use, should be mixed with a little chop brandy and opium. rye and a small portion of shorts, to corrects its fermenting qualities; and always season the mess the bites of venomous snakes in the East Indies, with a due quantity of salt. This article, so seldom The dose is from thirty to forty drops every ten thought of for hogs, is as essential to their health as minutes in water, until relief be obtained. The to any other species. Milk is a valuable food, and medicine is also to be applied to the wound. answers well to mix with the meal, but should be 4. So many cases in the United States have ocboiled.

An excellent and cheap food for fattening Hogs.

Take one part of corn meal, and two parts pumpkins; mix and boil together, seasoned with salt: let Creator, from which none can be forced to deviate, days before killing, when feed on coarse dry meal, my of the ley or potash, it should be diluted with infusion of flaxseed, or gum arabic water.

DISEASE OF PIGS.

Wilmington, Del. April 11, 1826

ESTEEMED FRIEND.

I observe; in your last number, an inquiry for a remedy for the violent purging to which newly wean-

ed pigs, or shoats, are subject.

I believe the cause is generally owing to giving them too much slop or swill at once—they should have little given at a time, and oftener than three times a day; five or six times I have my young pigs fed with skim milk, having wheat bran stirred in it, and never give them as much at once as they can eat; with this feed and treatment I never see them purge. If milk and bran are not to be had, it is necessary to give them with other slop, oats and corn unground, and in very cold weather corn only, and to keep them dry, clean and warm. The greatest in-jury a young pig receives is, by giving it as much slop as it can gorge as once and seldom feeding. I would advise, never raise a pig, that was not 3 months old previous to winter setting in, when younger they get stunted, and never, with the same keep, are as heavy as spring pigs are, at the following Christmas. THO. MASSEY.

MERS

Observations on the means of preventing and relieving the accidents and diseases, to which farmers are particularly subject. By JAMES MEASE, M. D.

From the Memoirs of the Philadelphia Society for promoting Agriculture-Read May, June, July, August, 1825.]

[Continued from p. 27.]

Bites of Snakes.- Tie a string above the bitten opinion, that some are blind and obstinate, in spile part, and suck the wound. There is not the least danger in so doing, unless the lips be sore; spit out and rinse the mouth with water. Then use some of the following remedies, all of which have been

1. Apply ley of wood ashes, or a solution of potash in water, to the bitten part; and give diluted

2. Mr. Mayrant, of South Carolina, relates the letter was sealed, and have opened it to inform you what he says as to the origin of Columbus. In a conversation he had with Mr. Muller, (or, as he was riment of the above plan on a small scale, by which riment of the above plan on a small scale, by which they can test its efficaey.

Nothing farther occurs at present on the subject two hours. In the course of the night three quarts were used, but he supposes that one may have been lost in pouring it down his throat. The next day he gave every hour, spirit of ammonia, and also whiskey and water, with very nourishing food. In another case, he cured a person after giving a quart of whiskey, with red pepper, in ten or twelve hours.

Dr. Ramsay, of Charleston, S. C. published the

3. Mr. Williams extols the spirit of ammonia in

curred of the efficacy of olive oil, in the cure of the bites of venomous snakes, that it can be confidently recommended. It is to be applied to the bitten part, and taken internally, without limitation

^{*} Dr. Brickett, of Savannah. To sheath the acrimo-

[†] Med. Recorder, vol. 6, p. 619.

above it, should never be neglected.*

Stings of Insects .- The pain from the stings of wasps, bees and hornets, is quickly relieved by rubbing the part with olive oil, or cold ley. The sting should be extracted, if possible. Common salt, moistened, and applied to the part, has been recommended from experience, and in a case where a person had been stung on the inside of the throat by a wasp, the alarming symptoms were instantly relieved by swallowing repeated strong doses of salt and water. In some cases of severe attack, a a fever was excited, attended with considerable swelling in the part. In such the loss of a few ounces of blood will give instant relief; then apply the oil. It has been recently said, that chalk scraped on the part, will give immediate ease. It is important to know that if a hive of bees should settle on a person, there will be no danger of being stung, if he can preserve so much presence of mind as to remain quiet for a short time, when the bees may be gently brushed off, or taken off by one accustomed to handle them, and put into a hive.

The bites of spiders are often highly poisonous, and several cases have been mentioned of death being occasioned by them. If the oil does not suc-

the stomach, causes a return of fever. For this the wound be small, to press the thumb and finger purpose, three or four grains of calomel should be firmly upon the bleeding vessel, and sit still, if the given at night, and a dose of epsom salts early in wound be in the foot, until a carriage is procured the morning, every other day. When the fever to convey the person home. All medicines to stop continues obstinate, after the loss of blood and a the blood flowing from a large vessel are useless. thorough evacuation of the bowels, with great heat As every person employed with an axe, is liable to and dryness of the skin, the body should be spong- this accident, no one should go alone into the woods ed with cool water and vinegar, which will often to cut timber. "break a fever," that would otherwise prove very tedious. Should the fever still continue, no time is a dull or rusty lancet being used to bleed. The to be lost in causing a slight salivation, by giving disease is noticed here, from having seen the state three grains of calomel every two hours. The fe- of the lancets sometimes used by country bleeders, ver will cease as soon as the mercury takes effect, and because those who employ them are not aware Relapses are to be guarded against by avoiding ex- of the danger attending the operation. It also has posure to bad weather; by occasional purging, and caution in indulging a returning appetite. Much day a vein was opened in it. Two deaths have ocmay be done by persons living in sickly countries, or in times of a prevailing epidemic fever, to pre-vent disease, by taking a dose of Peruvian bark The remedies are, purging, rest, and low diet. Dr. vent disease, by taking a dose of Peruvian bark The remedies are, purging, rest, and low diet. Dr. every morning, or by eating breakfast before going Physick applies a blister over the inflamed vein. out; avoiding wet feet, checks to perspiration, night

marshy country or district; but it is often produced induce weakness, should not be stopped. In some ceed, apply pounded plantain leaf to the part, and take a few spoonsful of the juice of the leaves. heated, and in a state of perspiration. The proper very troublesome. When necessary to check the This remedy was announced a few years since in a mode of treatment is an emetic about three hours flow of blood, snuffing up cold water will often southern paper, as having succeeded in a very se-before the cold fit is expected; then a purge, and prove effectual; but when this does not answer the finally the Peruvian bark during the intervals of the disease. A large tea-spoonful may be taken every of linen or cotton to a point, oil it, and then pass it disease is preceded by the usual symptoms, as lan- hour or two in water, or sound wine of any kind. up the nostril, by a circular motion, until it reach guor, loss of appetite, and head-ache, it often may be prevented by a gentle emetic and purge, avoid- Virginia snake-root, both in powder, will increase its Persons subject to this disease, ought to keep such ing meat, and the assistance of rest, a warm bath, powers. As the stomach often nauseates the medi- a plug by their bed side. When the disease attacks or bathing the feet in warm water at night. When cine, it ought to be mixed in a room apart from the growing boys in high health, it may be prevented the fever and head-ache are severe, twelve ounces of blood should be taken away. The operation should be repeated after a few hours, if the pain do not abate. Cool drink may be freely taken. Avoid sweating by heating remedies, in the com-type of bread; there will then be little difficulty of feeble constitutions, the diet should be generous, a dose of Peruvian bark taken occasionally to Avoid sweating by heating remedies, in the commencement of the complaint. The diseased and increased action of the system must always be reduced before sweating be attempted. The vessels will then pour out their fluids freely, when necessa- This should always be used for children. If the often check a bleeding of the nose. ry, by the aid of warm diluting drinks, and of such stomach be very delicate, a lump of sugar dipped medicines as are known to determine to the surface. in compound spirit of lavender, and eaten, will Tamarind water, or thorough-worft tea are excel quiet it. A small portion of manly resolution will leat for this purpose. Frequent purging in this greatly aid in preventing the stomach from rejecting the medicine. If the bark produce consupation, ten grains of rhubarb may be added to every other (Georgia,) Herald, a few years since. The popular dose of it, or if the stomach will permit, he may chew confidence in the efficacy of plantain in bites of snakes, has long been great in the United States. It is presumbark, make take the sulphate of qumine in doses of one, one and a half, or two grains. A cheaper remedy is "Fowler's solution of arsenic;" six, eight, or ten drops of this medicine may be taken three habit in such cases, of administering the juice of the green plantain, and he never knew a single justance of of water, to which a tea-spoonful of the compound indolence or insensibility, till it gets into a healing its failing to afford relief to persons bitten by snakes: spirit of lavender may be added, if nausea should state. It is never considered dangerous. The loss he had given it, he observed, when the sufferer was ap- occur. Children to whom the bark is very disagreeable, may take two, three, or four drops, according to their ages, twice or thrice daily; ample experience of this medicine enables me to attest its virtues, and pronounce it perfectly safe, if not too long continued. After two weeks use it should be After pressing out the juice, the plantaio may be boiled in milk, and also given to the patient. The certainty of this remedy against the bites of snakes, and such or being wet. The diet of persons in this disease, must be savoury and nourishing. A change of air, averaged at ten months old, 336 lbs. each. The or a journey, often will cure this desease without person who owned the above, had one last year tivate the plantain in their gardens or fields, that a re- medicine. Obstinate cases yield readily to the shower bath, if exercise be taken soon after its use. Weakly persons ought to wear a flannel shirt dur-Whether the species used, was the one with broad leaves, or that with narrow leaves, is not mentioned. In they were affected with this disease, changing it regularly once a week.

as to dose; sucking of the wound, and a ligature disease is essential to clear the bowels of bile, which until medical aid be called, is to put a piece of foldforms with great rapidity, and when collected in ed cloth on the part, and to apply a bandage; or if

Influmed Veins .- These are sometimes caused by

Bleeding at the Nose .- This is sometimes an effort air, especially during sleep, and a blazing sun.

of the system to relieve a too great fulness in the Fever and Ague.—Is the epidemic disease of a head, and unless it proceed to such an extent as to

(To be continued.)

REMEDY FOR THE FOULS IN CATTLE.

Caroline, N. Y., April 5, 1826.

I omitted to say any thing, at the time, of a disease in cattles' feet, that seemed to give alarm some months since, which is very common with us, and is called the fouls. It appears to be an indolent sore, and meets with rough treatment, such as drawing a straw of hair between the claws of the hoof till it bleeds, or appears quite tender; and of the use of oxen, for a season, is the only inconvenience experienced from it.

Yours, respectfully,

JOS. SPEED.

SWINE

A gentleman in Worcester informs us that a litter of eight hogs was lately killed in that town, which person who owned the above, had one last year which weighed upwards of 400 at twelve months old. Another person killed a pig at six months and three days old, which weighed 233 lbs. They were all of the Bedford breed, or English Broad Backs. This breed is in high repute in Worcester county; has small bone and little offal; hard, rich pork, and Culting a Blood-vessel .- All that can be done, withal obtained at a much cheaper rate than most

* The following article was taken from the Augusta ed that the broad-leaved plantain is alluded to.

"In a late paper we mentioned the death of a person from the bite of a rattle-snake; in conversing with a very worthy and respectable physician on the subject, he informed us, that for forty years he had been in the parently in the agonies of death, and when considerable force was required to open the mouth; and in every case the relief was almost instantaneous. The plantain is to be bruised, and the juice pressed out, and that given to the patient as soon as possible after the bite; but it is gover too tate to give it while the sufferer is alive. venomous reptiles, should induce persons in such situations where those accidents are likely to occur, to culmedy against an accident which may otherwise prove fatal, may at all times conveniently be procured.

See the Domestic Encyclopedia, article Plantain. Try the first species.

Or bone-set. Eupatorium perfoliatum.

importance to the farmer.

A friend in Westborough, Mass., states that a hog twenty months old, raised by Charles Parkshoulders 5 feet 7 inches.

It is stated in the Newburyport paper that Mr. James Ferguson, superintendent of the Fatherland farm in that vicinity, (owned by that eminent agriculturist, Gorham Parsons, Esq of Brighton,) lately sold 13 hogs, the weight of which was as follows: 494-424-530-406-556-454-496-336-578 370-500-400-526; and two pigs, weighing 211 and 255-aggregate 6,536 lbs. at 7 cents per lb., amounting to \$457.52. They were of the Bedford and Byfield breeds. [New Eng. Farmer.

PROSPECT OF CROPS.

Extract of a letter to the Editor, dated Columbia county, Geo., April 1, 1826. DEAR SIR,

The present spring has been remarkably forward; some of our forward wheat has been in head for more than a week; first planting of corn generally We have had several smart frosts since the wheat has been in head, and have heard of some damage being done to both corn and wheat, lexfilling since the first frost, and no difference appearing from what it was before the frost, am in hopes the injury is not extensive.

HORTICULTURE.

GOOSEBERRIES.

(Continued from Am. Farmer, p. 29.)

GENERAL OBSERVATIONS.

Having minutely laid down the cultivation of the gooseberry, whether raised from seed, cuttings, or suckers, to its final perfection in the fruit, I shall insects that infest the bushes

the green-fly, the caterpillar, the red-spider, &c.

confident of its utility, I submit it for the use of my readers; in the first place, get a large handful of young elder leaves and twigs, one pound of the coarsest and strongest tobacco, and boil them togethan county, Virginia; William Mewburn, South preferable; and that one of the hats which obtained ther in some old pot or copper, in two or three gallons of soft rain-water; let them be well boiled, each, and put half a gallon of quick lime into the liquor, and after it is well dissolved, take out all prince Edward, Virginia; Alexander Morson, Frequency, and after it is well dissolved, take out all prince Edward, Virginia; Alexander Morson, Frequency, and after it is well dissolved, take out all prince Edward, Virginia; Alexander Morson, Frequency, and the manufacture of these articles, within three years, and the extraordinary improvement evinced in the manufacture of these articles, within three years, and the extraordinary improvement evinced in the manufacture of these articles, within three years, and the extraordinary improvement evinced in the manufacture of these articles, within three years, and the extraordinary improvement evinced in the manufacture of these articles, within three years, and the extraordinary improvement evinced in the manufacture of these articles, within three years, and the extraordinary improvement evinced in the manufacture of these articles, within three years, and the extraordinary improvement evinced in the manufacture of these articles, within three years, and the extraordinary improvement evinced in the manufacture of these articles, within three years, and the extraordinary improvement evinced in the manufacture of these articles, within three years, and the extraordinary improvement evinced in the manufacture of these articles, within three years, and the extraordinary improvement evinced in the manufacture of these articles, within three years, and the extraordinary improvement evinced in the manufacture of these articles, within three years, and the extraordinary improvement evinced in the manufacture of the extraordinary improvement evinced in the manufacture of the extraordinary improvement evinced in the extraordinary improvement evinced in the manufacture of the extraordinary improvement evinced in t of soft green soap, two pounds of flour of sulphur, and three pounds of campignon, or puff balls, and solved, during which time they are to be stirred put it into a coarse vessel or vessels, with about twenty gallons of rain or pond water; shut it up, John P. Cobbs, Richmond, do.; John Eddowes, Mid-and let it remain for a few days, when it will be fit dletown, Delaware; Thomas Chase, Annapolis, Md.;

Dublin, Dec. 15, 1825.

where the insects are most destructive.

other breeds. Their early maturity is of immense bellows at the lower part of the bush, and fuming Henry Taylor, Port Royal, Virginia; James Barwith a mixture of coarse tobacco and soft hay.

Bushes are also speedily cleared of the blights at little expense and trouble, by fumigating them man, Esq. of that town, was killed last week, which with brimstone strewed on lighted charcoal; this weighed 600 lbs, and measured from the tail to his effectually kills the insects; but the workmen must nose 6 feet 1 inch; around the body over the fore get to the windward of the bush, as the fumes both of charcoal and sulphur are very offensive and per-

> Fumigating should always be done in the morning or evening of a dull heavy day, when the bush-

[The author of the preceding communication gives a catalogue of 49 kinds of red gooseberries-35 kinds of yellow—53 of green—and 44 white. in our sea port towns, where his wine of that year The largest red, he says, is the Top sawyer, weight has not yet been tasted. If our government would 26 dwts. 17 grains; the largest yellow is the Nel- give sufficient direct encouragement to this branch son's waves, weight 21-6; the largest green is the of husbandry, foreign wines would be forced out of Ocean, 20-11; the largest white is the Smiling our market in twenty-five years." beauty, 22-18.]

CHEROKEE ROSE.

PUBLICK SPIRIT.

[The following memoranda came into our hands through a third person, with permission to use it as an example of the publick spirit of an individual, who seeks to do good for its own sake, and without all others, does not wear smooth? How long it annined my own wheat, and find the grain has been any wish or expectation of reward beyond the consciousness of contributing, disinterestedly, to the improvement of agriculture. Let us reflect how widely and rapidly the best agricultural products and improvements might be disseminated, were every one to devote himself thus zealously to the cause, and thence endeavour, as Mr. Stabler, of Montgomery county has done, to emulate the example of nent importers and venders of Leghorn hats, to such men as Mr. Rowan.]

CHEROKEE ROSE CUTTINGS.

Distributed gratuitously by Mr. C. E. Rowan, of adjudging The first premium of 20l. for the hat manufactors (Corolling in hores, amongst the following per-South Carolina, in boxes, amongst the following per-

sons, in the years 1820, 1821.

The hon. Judge Story, Boston; the hon. Timothy now subjoin some hints for the destruction of the Pickering, do.; the Massachusetts Agricultural Society, to the care of Mr. Timothy Pickering; David The insects that most infest the gooseberry, are green-fly, the caterpillar, the red-spider, &c.

Pitts Lloyd, Essex county, Virginia; Charles Edmonston, Charleston, South Carolina; Wm. Pugh, After many experiments and attempts to destroy North Carolina; John L. Glaser, Pittsburg, Pennthese species of insects, I find the following mixture sylvania; Dr. James Glasgow, Belle Air, Harford to be the most effectual and cheapest; and being county, Maryland; Joseph P. Casey, Baltimore; Dr. the cynosurus cristatus is not the material best adapthatan county, Virginia; William Mewburn, South preferable; and that one of the hats which obtained East, Genito Bridge, Richmond; Thomas H. Harthefirst premium, composed of "sweet-scented vervey, Wicomico church, Northumberland county; after which take out all the leaves and twigs of Robert Douthat, Richmond; Charles Palmer, do.; T. F. Wallis, P. M. Bethlehem, Georgia; Benjamin to be of opinion, that, if it be steadily persevered and three pounds of campignon, or puff balls, and if necessary another gallon of soft rain or pond ward Garland, do. do.; Wm. H. Tilghman, Talbot with Italy in that article; in which opinion they feel water; set them over a gentle heat till properly discounty, Eastern Shore, Md.; Winter Bray, Tappasolved, during which time they are to be stirred hannock, Virginia; Isaac Smith, Northampton, do.; respect to the hats which obtained the first premiround with a stick; when all is properly dissolved Robert H. Row, Susquehannah county, do.; John um, "that if they were put in a case with Leghorn and mixed up, take it off the fire, and immediately Scott, Fauquier county, do.; Sir John Sinclair, Edin-hats, as if imported here, there was not an indivi-Henry Holliday, Eastern Shore, Md.; Charles Neale, The best mode of using the above liquid is with Alexandria; Robert Oliver, Baltimore; J. H. Berahand syringe, or squirt, as you can most convenant, Richmond, Virginia; W. W. Anderson, Statesniently get it round the bush, and under the leaves burg, South Carolina; Leonard Abercrombie, Qua-

bour, Barboursville, do.

(We should be glad to learn what is the probable result of experiments made with the Cherokee rose cuttings, by any of the above named gentlemen.]

GEORGIA WINES.

[Extract from a letter to the Editor.]

"The wine made by Mr. Thomas M'Call, of Georgia, in 1824, of Madeira colour, has sold for \$2, a gallon, as soon as offered at market; and is preferred to any imported wine by our best judges in the upper country, and, I doubt not, would be preferred

RURAL ECONOMY.

CAST IRON GRIST MILL.

Much has lately been said about this mill. Will your correspondent D. G. S. or any other practicaly acquainted with it, state whether this mill, like may be in constant use before this happens; and if there is any way to have it sharpened?

STRAW PLAITS.

The committee appointed by the Royal Dublin Society having called upon some of the most emiassist, with their judgment, in the adjudicating of premiums, were favoured with two ladies and three gentlemen, who concurred with the Committee in

tured by Miss Boake.

The second premium of 15l. for that manufactured by Miss Gormly.

The third premium of 10l, for that manufactured by Miss Duchwerth.

The fourth premium of 5l. for that manufactured by Miss Bickerstaff.

straw of rye, scoale corale, is, in their opinion, much preserable; and that one of the hats which obtained nal grass," anthoxanthum odoratum, appears to be superior to any other produced.

The report adds, "That the extraordinary im-

MR. SKINNER,

I perceive, by both English and Irish papers, that the Societies in Great Britain and Ireland are offerwhere the insects are most destructive.

When a bush is infested with an easterly blight, it is easily destroyed by throwing some thick bass mats over the bush, and entering the fumigating

Where the insects are most destructive.

Chita, Louisiana; James Flemming, Wilmington, ing premiums to encourage the manufacture of ladies' hats in imitation of those imported from Legmans over the bush, and entering the fumigating

Taylor, Matanzas; James Fort Muse, New Orleans;

Societies in the Sheteles in Oreat Britain and rectangling the ing premiums to encourage the manufacture of ladies' hats in imitation of those imported from Legmans over the bush, and entering the fumigating

so, could excite such a spirit.

to me to be well calculated for that purpose, by in this manufacture, chiefly in pointing out the best such good conduct. material to be used in making hats as good as the the sweet-scented vernal grass is the most proper.

WATER BORING AT HARPER'S FERRY. [From the Alexandria Herald.]

June at Harper's Ferry, in boring for water, arrived obliged to abandon her children during the greater in town yesterday. He states that he has perforated the solid rock to the depth of 266 feet, and found there is no duty so imperious, no social convenience good water at a far less depth, but that it would rise or fashionable custom so commanding as to oblige to only a certain height and no further. That he continued his operations till the great freshet in the her remember, supersedes all other duties." Potomac; when on a sudden the muddy water of doubt but that the water will rise to the surface of the carth sufficient for all purposes.

[Since the above was politely communicated to us, we have conversed with Mr. Tindrel, who confirms its particulars.- EDIT. A. H.]

WATER BORING IN ALEXANDRIA.

The workmen have got to the depth of 440 feet; earth. The specimens of stratum for the first 150 feet are the same as those of 440 feet, alternately varying from clay to sand, of various casts and colours. [Alex. Herald.

LADIES' DEPARTMENT.

A WHISPER TO A NEWLY-MARRIED PAIR

A WHISPER TO THE WIFE. [Continued from p. 32.] Chapter VI. ON FAMILY DUTIES.

At your entrance into the marriage state, gentle lady, you commenced a character which involves on you new duties and new responsibilities. - Your husband, as the master and mainspring of his family ought certainly to lead the devotions of it. But should he be so unwise, so unfortunate, so lost to his own bappiness, as to treat lightly the things which belong to his everlasting peace, the task, gentle lady, devolves on you. Influenced then by that awful verse in Jeremiah where the prophet invokes the Almighty to pour out his tury upon the families that call not on his name, (Jer. x. 25,) let the Bible be every morning laid on the table after breakfast,* and let a chapter be read with attention; and then by a short but fervent prayer call down blessings

vants from the hallowed privilege. Independent of the poet; and truly I cannot help feeling a contemp-In a late Irish paper, I saw an article which seems duty, you wish for honesty and fidelity from them, the opinion of those persons, young or old, male me to be well calculated for that purpose, by and how can you reasonably expect these while you or female, who lavish their good-humour and pleathrowing light towards an important improvement neglect to lead them to the source which produces santry in company, and hoard up sullenness and si-

thought here to be the best material; but in the ac- her fancy dream of perpetual admiration; let her lines:thought here to be the destinated and the count which I now send to you, it is believed that the sweet-scented vertal grass is the most proper. In the sweet-scented vertal grass is the most proper. can no longer be frivolous or childish with impunity. The angel of courtship has sunk into a woman; and that woman will be valued principally as her fondness lies in retirement, and her pleasures in the nursery Mr. Tindrel, who has been engaged since last of her children. And woe to the mother who is part of the day to hirelings-no, not obliged; for her to such shameful neglect: for maternal care, let

In the matrimonial character which you have now the river backed into the hole he had bored in the assumed, gentle lady, no longer let your fancy wanrock, which induced him to believe that there was a der to scenes of pleasure or dissipation. Let home communication between the hole aforesaid and the be now your empire, your world! Let home be now river. He was right in his conjectures, for when the sole scene of your wishes, your thoughts, your the freshet subsided the water in the hole came plans, your exertions. Let home be now the stage down to its usual level, leaving the same limped on which, in the varied character of wife, of mother, water as heretofore. And now Mr. Tindrel is on and of mistress, you strive to act and shine with his way to New York to procure copper tube, which splendour. In its sober, quiet scenes, let your heart when fixed, and the interstices between its exterior cast its anchor, let your feelings and pursuits all be and the rock being chinked up with a composition centered. And beyond the spreading oaks that shaprepared for the purpose, he adds, there can be no dow and shelter your dwelling, gentle lady, let not your fancy wander. Leave to your husband to dis-tinguish himself by his valour or his talents. Do you seek for fame at home; and let the applause of your God, of your husband, of your children, and your servants, weave for your brow a never fading chaplet.

An ingenious writer says, "If a painter wished to draw the very finest object in the world, it would be the picture of a wife, with eyes expressing the water is within about 32 feet of the surface of the serenity of her mind, and a countenance beaming with benevolence; one hand lulling to rest on her bosom a lovely infant, the other employed in presenting a moral page to a second sweet baby, who stands at her knee, listening to the words of truth and wisdom from its incomparable mother.'

I am a peculiar friend to cheerfulness. Not that kind of cheerfulness which the wise man ealls the mirth of fools,-always laughing and talking, exhausting itself in jests and puns, and then sinking into silence and gloom when the object that inspired it has disappeared. No-no! The cheerfulness I would recommend must belong to the heart, and be connected with the temper, and even with the principles. Addison says, "I cannot but look on a cheerful state of mind as a constant, habitual gratitude to the great Author of nature. An inward cheerfulness is an implicit praise and thanksgiving to Providence under all its dispensations: it is a kind of acquiescence in the state wherein we are placed, and secret approval of the divine will in his conduct towards us." I think there is something very lovely in seeing a woman overcome those little domestic disquiets which every mistress of a family has to contend with; sitting down to her breakfast-table in the morning with a cheerful, smiling countenance, and endeavouring to promote innocent and pleasant conversation among her little circle. But vain will assisted by her husband and other members around; and truly it is an unpleasant sight to see a family when collected together, instead of enlivening the quiet scene with a little good-humoured chat, sitting like so many statues, as if each was unworthy the have failed." attention of the other. And then, when a stranger comes in, O dear, such smiles, and animation, and

ple? The Editor of the Farmer, if he chose to do on your head. And hy no means exclude your ser-|luquacity! "Let my lot be to please at home." says lence for the sincere and loving group which com-"When once a woman is married, when once she pose their fireside. They do not behold home with imported ones. If I recollect right, rye straw is has enlisted among the matrons of the land; let not the same eyes as did the writer of the following

> "'tIome's the resort of love, of joy, of peace;" So says the bard, and so say truth and grace: Home is the scene where truth and candour move. The only scene of true and genuine love. 'To balis and routes for fame let others roam, Be mine the happier lot to please at home." Clear then the stage: no scenery we require Save the snug circle round the parlour fire; And enter, marshall'd in procession fair, Each happier influence that governs there! First, Love by friendship mellowed into bliss, Lights the warm glow, and sanctifies the kiss; When, fondly welcom'd to the accustom'd seat, In sweet complacence wife and husband meet; Look mutual pleasure, mutual purpose share, Repose from labours to unite in eare! Ambition! docs Ambition there reside? Yes: when the boy, in manly mood astride, With ruby lip and eyes of sweetest blue, And flaxen locks, and cheeks of rosy hue, (Of headstrong prowess innocently vain,) Canters;-the jockey of his father's cane: While Emulation in the daughter's heart Bears a more mild, though not less powerful part; With zeal to shine her little bosom warms, And in the romp the future housewife forms: Think how joy animates, intense though meek, The fading roses on their grandame's cheek, When proud the frolic children to survey, She feels and owns an interest in their play; Tells at each call the story ten times told, And forwards every wish their whims unfold."

'To be agreeable and even entertaining in our family circle," says a celebrated writer, "is not only a positive duty but an absolute morality."

I cannot help quoting the following passage from Mrs. H. More, as an admirable illustration of true sweetness of temper, patience, and self-denial-qualities so essential in a wife and mistress of a family. "Remember, that life is not entirely made up of great evils, or heavy trials, but that the perpetual recurrence of petty evils and small trials is the ordinary and appointed exercise of Christian graces. To bear with the feelings of those about us, with their infirmities, their bad judgments, their ill-breeding, their perverse tempers -- to endure neglect where we feel we have deserved attention, and ingratitude where we expected thanks-to bear with the company of disagreeable people, whom Providence has placed in our way, and whom he has perhaps provided on purpose for the trial of our virtue-these are the best exercise; and the better because not chosen by ourselves. To bear with vexations in business, with disappointments in our expectations, with interruptions in our retirement, with folly, intrusion, disturbance, in short, with whatever opposes our will and contradicts our humour-this habitual acquiescence appears to be the very essence of selfdenial. These constant, inevitable, but inferior evils, properly improved, furnish a good moral discipline, and might well, in the days of ignorance, have superseded pilgrimage and penance." Another remark of the same author is also excellent: "To susbe her amiable efforts at cheerfulness, if she be not to lead an army. To bear a deep affliction well, calls for as high exertion of soul as to storm a town; and to meet death with Christian resolution, is an act of courage in which many a woman has triumph-

(To be continued under the head of Conduct towards Retations acquired by Marriage, &c.)

^{*} When a family disperses after breakfast to their different avocations, it is generally difficult to collect them again. Therefore, to obviate this, let the Bible be brought before the breakfast things are removed, or, at least, before the party stand up from the table.

SPORTING OLIO.

OBITUARY OF CELEBRATED TURF HORSES.

[We here record the obituary of one hundred and seven celebrated English running horses, with the pedigree and performances of some of them. By calculation, we arrive at the fact, which may, we think, be considered as proof of the longevity of the blood horse-that, of these one hundred and seven fine animals, their average age was twenty-one years and seven months. Those in italics have been added to the list by a gentleman south of the Potownec-owner of the largest stud of the best blooded horses at this day in any country. He is of opinion, that when not overworked in youth, nor over excited after that period by mares, from 25 to 30 is the natural age of the blood horse.]

Age when they died. Alexander, in the spring of 1811, Alexander the Great, shot in December 1813, having the farcy Babraham, 1760

Babraham was a very strong horse, 16 hands high, said to have been equal to 18 stone. He was got by the Godolphin Arabian, out of the Hartley mare. There are few instances of a horse running in such high form as he did, and covering mares the same season.

Basto, 1723. Basto died in 1723. This beautiful horse, the property of the Duke of Devonshire, was bred by Sir W. Ramsden; his sire the Byerly Turk; his dam was Bay Peg. Basto was sire of Gimerack, Soreheels, Little Scar, &c. The Byerly Turk was Capt. Byerly's charg-cr in Ireland, in 1689. He was sire, also, of the Duke of Kingston's Sprite; the Duke of Rutland's Black Hearty and Archer; Lord Bristol's Grasshopper, and Halloway's Jigg.

Bay Bolton, 1736 This famous horse, the property of the Duke of Bolton, was got by Hautboy. In 1710, when 5 years old, he won the gold cup at York, beating eight 6 yr. olds—a circumstance of rare occur-rence. He also won two matches of Mr. Frampton's celebrated Dragon; after which he was kept as a stallion, and was sire of Sloven, Fearnought, Starling, Syphax, Camilla, Gipsy, and Whitehot. The sire of Hautboy (Old Hautboy,) was got by the D'Arcy White Turk.

Bay Malton, by Sampson. He ran at York, 4 miles in seven minutes fortythree seconds and a half, being 72 seconds less than it was ever done before over the same course.

R. of R.Belgrade Turk, 1740 uncertain. The Belgrade Turk was taken at the siege of Belgrade in 1717, by Gen. Merci, and sent by him to the Prince de Craon, from whom he was a present to the Prince of Lorraine, which was certified by the Baron Chagne, his minister at London: he was afterwards purchased by Sir

Marmaduke Wyvill, and died in his possession. Blank, 1768 Beningbrough, February 7, 18t5 . Bolton Starling, March 24, 1756

He was bred by the Duke of Bolton, and got by Bay Bolton, out of a daughter of Makeless' and Hauthoy, son of Old Hauthoy, who was out of a royal mare.* In April, 1733, he beat Mr. Panton's Mouse, in a 4 mile match, for 300 gs.; the same year he won the King's purse at Lewes, Lincoln, and in October at Newmarket; and in April, 1734, the King's purse at Newmarket:

*The Master of the Horse was sent into the Levant, by order of Charles It. to procure horses and mares for breeding, with a view to the improvement of our native 15 foals, nine of them by Matchem. stock; and the mares brought over by him, and also many of their produce, have been styled royal mares.

after which he became the property of Mr. L	eedes
and was in high esteem as a stallion.	
Brainworm, 1812	11
Buffcoat, 1757	19
Buzzard, left England late in 1804, died in	Ken-
tucky, 1811	24
Cade, September, 1756 · · · ·	22
Canopus, 1817	14
Chrysolite, 1788	15
Cleveland, 1812	e. Dc-
cember 29, 1816,	30
*Conductor, August, 1790	23
Crab, Christmas-day, 1750	28
Crispin, died in Jamaica, 1822.	0 ند
and the contract of the contra	23
· · · · · · · · · · · · · · ·	
Cullen Arabian, 1761 unce	
The Cullen Arabian was brought to Er	igianu
by Mr. Mosco; he was sire of Mr. Warren	
millus, Lord Orford's Matron, Mr. George's	s Sour
Face, the dam of Regulator, &c. &c.	

Diamond, sent to France in 1818, where he died. Dick Andrews, January 28, 1816 · · ·

Czar Peter was shot in 1821

For pedigree, performances and other particulars regarding this horse, see Annals of Sporting, vol. ii. p. 269, and Scott's Sportsman's Repository. [See American Farmer, vol. viii. pp. 15,22.]

Faggergill, August, 1791 . . . †Flying Childers, 1741 Florizel, 1791 . .

Flying Childers, generally allowed to be the swiftest horse ever produced in this kingdom, was bred by Mr. Childers, (who sold him to the Duke of Devonshire,) got by the Darley Arabian, out of Batty Lorde the devolution out of Betty Leeds, the daughter of a sister to Leeds, got by Old Careless, who was got by Spanker, son of the D'Arcy Yellow Turk; his grandam was got by the Leeds Arabian, sire of Leeds; his great grandam by Spanker; his great great grandam which was dam of Spanker, was a natural Barb mare. Childers was sire of the Hampton-court Childers, Mouse, Blacklegs, Od-

settled at Aleppo, and a member of a hunting Hartley's Blind Horse, 1742 club there, succeeded, through his interest and connexion, in obtaining a courser from the do sarts of Arabia, which he sent to England as a John Bull present to his brother, a sporting gentleman of Jupiter, 1802

Yorkshire, about the latter end of the reign of King Fergus, 1801

Queen Anne: he is one of those few horses on King Herod, May 12, 1780 the purity of whose blood we can place positive reliance. This Arabian was sire of Flying Chiders, of never-dying fame; he also got Almanzor; a white legged horse belonging to the Duke of Somerset, full brother to Almanzor, and thought to be as good, but meeting with an accident, he never ran in public; Dædalus, a very fast horse; Dart, Skipjack, Manica, Aleppo, good horses, though out of indifferent mares; Cupid, Brisk, &c. &c. He did not cover many mares, except Mr. Darley's. An original portrait of this horse is in the possession of H. Darley, Esq. Aldcbyhall, Yorkshire, an engraving from which has been lately published. The Darley Arabian was a bay, about 15 hands high, with white fedocks behind, and a blaze on his face.

† He was a bay horse with a blaze face and four R. of R. white feet and fetlocks.

Fortitude, 1789 Fortunio, April 21, 1802 . 22 Fox, 1738 Gamenut was shot in the autumn of 1815 Giles, June 3, 1810 . Gimerack, sire of Medley and grandson of the Godolphin Arabian, the best give and take horse of his day, covered at 30 gs. in Lord Grosvenor's stud. Godolphin Arabian, December, 1753

This extraordinary horse was a brown bay, about 15 hands high, with some white on the off heel behind. That he was genuine Arabian his excellence as a stallion is deemed a sufficient proof. He was imported into France from Bar-bary, whence it was suspected he was stolen. "So little was he valued in France," says the author of the Sportsman's Repository, "that he was actually employed in the drudgery of drawing a cart in Paris." He was presented to the Earl of Godolphin, by Mr. Williams, proprietor of the St. James's coffee-house, who obtained him from Mr. Coke, who brought him to England. In 1731, he was teazer to Hobgoblin, who refusing to cover Roxana, she was put to the Arabian, and from that cover produced Lath, a beautiful horse, pronounced by many to be the best that had appeared at Newmarket for several years, Childers only excepted. It is remarkable that there is not, at this period, a superior horse on the turf without a cross of the Godolphin Arabian. There is an original portrait of him, by Seymour, in the collection of the Marquis of Cholmondeley, at Houghton-hall, Norfolk. A pieture of him and his favourite cat,* by a French artist, is in the library at Gog Magog, in Cambridgeshire, (where he died, the property of Lord Godolphin,) from which a copyt was taken by the celebrated Stubbs, and engraved by Scott, and which forms one of the splendid embellishments of that popular and highly interesting work, called 'Scott's Sportsman's Repository,' lately published. He was sire of the following, viz: Cade, Babraham, Bajazet, Blank, Blossom, Dormouse, Dismal, Regulus, Skewball, Sultan, Slug, Noble, Tarquin, &c. which were not only extraordinary good racers, but proved most excellent stallions. Gohanna, April, 1815 .

Goldfinder, 1789 sey, Plaistow, Fleece'em, Second, Blaze, &c.

The Darley Arabian.—Mr. Darley, a merchant
Haphazard, April, 1821 . uncertain. §Highflyer, October 18, 1793 .

> Herod was sire of Highflyer, Woodpecker, Anvil, Bourdeaux, Sting, Adamant, Plunder, Quicksand, Rantipole, Whipcord, Tuberose, Laburnum, Guildford, &c. This valuable stallion died of a mortification in his sheath, occasioned by

He is said to be the strongest and best horse of his size that ever was bred: he was got by

* Not at all like the picture at Houghton, and said R. of R.not to be like the Arabian.

t Not at all like the Godolphin, and having no resemblance to the portraiture at Houghton. R. of R.

t Immediately after covering Shoestring, which was afterwards put to Canopus, but missed to both.

§ Highflyer never was beat nor paid forfeit; died from the avarice of Tattersall, in exciting him beyond his strength as a stalling his strength as a stallion.

R. of R.

^{*} By Matchem, (see Mark Anthony,) own brother to Alfred, Georgiana, &c.; his dam by Snap, brought

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Great Driver, son of Old Snake; his dam was	j
bred by the Duke of Devonshire, and got by Fly-	į
ing Childers, out of a daughter of Grantham.	į
From 1748 to 1755, he was winner of thirty 50l.	Ľ
plates: in 1749, he won the town plate at New-	,
market; in 1750, he again bore off the same	ľ
prize, carrying 12 st. For an account of his run-	
ning against Aaron, at Epsom, in 1754, see An-	
nals of Sporting, vol. ii p. 28. Mambrino, Lord Grosvenor's. It is his blood that	
gives the New York Eclipse his value. He got	
Messenger, who got the dam of Eclipsc. Mambrino	
was, perhaps, the strongest blood horse ever bred.	
Duroc. Eclipse's sire, was but so so. R. of R.	
Mark Anthony, Conductor, Pyrrhus, and Pantaloon,	ŀ
were all of a year, and all the first foals of their	ľ
respective dams—except Pyrrhus, they proved ex-	ı
cellent stallions as well as racers. Mark Anthony won 19 times over Newmarket, and received forfeits	ı
and compromises equal to 2530 gs. although he broke	ı
down at six years old. N. B. He was then a young	ı
horse. R. of R.	
Marske, July, 1779	ľ
*Matchem, February, 21, 1781 32	ľ
Mr. Fenwick, the owner of Matchem, derived	ľ
more than 17,000l. profit from his services as a	ı
stallion, exclusive of his winnings as a racer. Mercury, April, 1793	ı
Meteor, June, 1811	
Morwick Ball, January 4, 1787 25	ı
Overton, May 30, 180t	
Pandolpho was shot in 1813 24	
Partner, 1747,	ı
He is allowed to be as fine a stallion as any	
ever bred in this kingdom. Old Partner was got by Jigg, son of the Byerly Turk; his dam was	
got by Curwen's Bay Barb; his grandam by Old	
Spot; his great grandam by the chestnut white-	l
legged Lowther Barb, out of the old Vintner	ľ
mare. Curwen's Bay Barb was a present from Muly Ishmael, king of Morocco, to Lewis 14th,	ľ
and was brought into England by Mr. Curwen,	
who procured two Barbs, (from Counts Byram	
and Thoulouse, two natural sons of Lewis 14th.)	ı
both of which proved excellent stallions, and are	1
well known as Curwen's Bay Barb and the Thou-	
louse Barb. Curwen's Bay Barb was sire of Mix-	1
bury and Fantivy; the first was only 13 hands 2	
inches high, and yet not more than two horses of his day could beat him; Brocklesby, Little	1
George, two Mixburys, full brothers to the first	1
Mixoury; Brocklesby Betty, considered by many	Į.
to be the best mare that ever was in England;	ı
her dam was called the Hobby mare, bred by Mr.	
Leeds; her sire was the Lister or Stradling Turk,	
brought to this country by the Duke of Berwick, from the siege of Buda, in 1686, in the reign of	
James the second. Curwen's Bay Barb was sire	
also of Long Meg and Creeping Molly, extraor-	ш
dinary high formed mares; Whiteneck, Mistake,	L
Sparkler, and Lightfoot, very good mares. He	П
got two full sisters to Mixbury, one of which	Ì.
bred Partner, Little Scar, Soreheels, and the dam	
of Crab: the other was the dam of Quiet, Silver Eye, and Hazard The Thoulouse Barb became	1
afterwards the property of Sir J. Parsons, and	1
was the sire of Bagpiper, Blacklegs, Mr. Panton's	
Molly, and the dam of Cinnamon.	
Payniaster, 1791	-
Phenomenon, soon after landing in America,	1

* He may be truly said to have carned more money than any other horse in the world. During nine years was engaged to cover 25 mares at 50 gs. He was the quietest stallion ever known, to which may be attributed his great age. He died February 21, 1781, in his 33d year. R. of R.

Phlegon, 1790

700	Pipator, February 20, 1804 17	а
as	73 .10	١,
ly-		П
m.	Pot-8-os, November, 1800	١.
01.	Prospero, suddenly, after covering a mare,	ľ
W-	July 17, 1816	l
me	Regulus, 1765	١
	Ile was never beat: he was got by the Godol-	١,
ın-		ļ,
n-	phin Arabian; his dam was the celebrated Grey	٠,
	Robinson, by the Bald Galloway; his grandam by	
hat	Old Snake; his great grandam was the famous	П
got	mare called Old Wilks, and got by Old Hautboy.	ľ
ino	Regulus was sire of Trajan, Royal, Cato, Smil-	F
		ľ
cd.	ing Polly, South, Brutus, Sappho, &c.	
	*Rockingham, 1799	
on,	Royalist, in America, 1811 21	ľ
cir	Sampson, 1777	
ex-	In 1752, then seven years old, he won a prize	١
	of 1001 at Newmarket, carrying 11 stone; and in	
my	the same year he won the following King's plates,	
eits	wie at Windhaster Callabora Contail	ŀ
okc	viz: at Winchester, Salisbury, Canterbury, Lewes	9
ng	and Newmarket. He was got by Blaze, his dam	t
	by Hip, son of the Bay Barb.	1
29	Sancho, September, 1809 8	
32	Sedbury, 1759	
	Shark, in Virginia, about 1795-6-he won a cup of	
red	100 gaineges closes libde of almost and accord	ı
s a	120 guineas; eleven hhds. of claret; and 20,000 gs.	1
	in stakes, plates, matches and forfeits. He paid for-	:
14	feet to, and received forfeit from Lord Clermont's	ľ
28	famous Johnny, who died soon after he went out of	
25	training. Johnny won 15 times at Newmarket in	8
13	1775 only. Shark was sire to the dam of Florizel.	I
	Johnson heat Finetail and Down line only was Down	
24	Johnny beat Firetail and Pumpkin, who ran Row-	ŀ
29	ley's mile in 1 minute 42 seconds. Rowley's mile	1
ny	is one mile and one yard. The grandam of Mr.	li
got	Randolph's Duchess, was own sister to Johnny.	ľ
vas	$R. \ of \ R.$	۱
Old	Sir Peter Teazle, August 10, 1811 . 27	4
	Sir Solomon, April 20, 1819	k
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ner		
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Old Squirt mare. R. of R.

By Highflyer out of Papillon by Snap .- R. of R. days, and was soon entirely gone. the got very bad stock; they were fleet for a short distance, but utterly jadish. He did great injury to had one so large as to spread her nostrils considerathe blood stock of Cheshire, and almost ruined the bly, and affect her speech. After using the bloodfine stud of Lord Grosvenor, who bred from him too root a short time, the polypus dropped out entire, long.

R. of R. and she was soon well.

	_
	21
Witchcraft, in 1813, had his leg broken by the	
kick of a mare, and was obliged to be shot.	
Wizard, killed himself by running against a bar ?	7
in the stable yard, after the season of 1813	
	25
	19
	17
	10
	29
Young Whiskey, at the close of the season, 1821.	an
	23
[Annals of Sporting.	

MISCELLANEOUS.

[From the New York Statesman.]

The following communication from our valuable orrespondent "Hopson," should receive the attenion of woollen manufacturers, whose interest has been essentially promoted by his instructive essays.

ON STEEPING CLOTH.

Some few months since I gave an account in your paper, of a new process adopted in England of steeping cloth for the purpose of laying the nap, and giving a face which nothing would remove.

Since that time I have received two letters on the same subject, which give further information on the

process.

Instead of the temperature being between 170 dcg. and 180 deg. Fah. it should be between 180 deg. and 190 deg. Fah. The cloth should lie in the steep from six to seven hours, in place of two hours.

Further trials have proved that it will answer well on white and wool dyed blue cloth, but not on fancy colours, the latter being liable to change colour at

the outside end and against the lists.

The following fact will prove the advantage of giving cloth such a finish. One of our first auctioncers bought a coat, the cloth off a piece he had sold at auction. After the tailor had damped it, he found the polish and face undisturbed; thinking the damping cloth had not been wet enough. he gave it more water and damped the cloth again; finding the face did not start, he examined it closely, and discovered it was so set, that nothing would disturb it. He immediately bought the whole piece, and gives a decided preference to this finish, above all others. HOPSON.

[* Will Mr. P. please send it to us.]

EXTRAORDINARY FECUNDITY.

Four ewes on the farm of John S. Sellman, Esq. of this county, yeaned this season fourteen lambs, which are all doing well. Two of them brought forth four each, and the other two three each. A few uch breeders would soon give a man a flock to watch. [Annapolis pa.

RECIPES.

CURE FOR THE POLYPUS IN THE NOSE.

In conversation with a friend from the Western country, I have been informed of a fact, too important as it appears to me, to be withheld from the publick.

His daughter was troubled with a polypus in the nose, which was extracted by a surgeon but soon grew again to its former size. He heard of the Best son of Highflyer out of Purity by Matchem, blood-root as a cure, and it was tried with such efficacy, that the polypus shrivelled away in about ten

Recipe.—Take half an ounce of blood-root, (San- and distillers should in due time be apprized thereguinaria Canadensis,) finely pulverized, and sift it of, so that, relying on this market, they may not go and one drachm of Calomel. Mix them together to any other place for the cattle they may want, for a sternutatory. A small pinch of this powder is This would be a market obviously convenient to all to be snuffed up the nostril three times a day; and purchasers residing in the counties of Baltimore a syringe of the following wash is to be thrown up Harford, and Anne Arundel, as well as to those rethe nostril twice a day. Dissolve half an ounce of siding in this city. If any drover will signify to powdered alum in a gill of brandy, shake the phial the Editor of this paper his intention of bringing until it is dissolved. [Providence pap.

FROST-BITTEN.

It is said that if a frozen limb be immersed in warm water in which a quantity of alum has been dissolved, the effects of the frost will be entirely removed. The proportion is a pound of alum to this short note a place in their respective papers. a gallon of water.

ASTHMA.

A lady has been entirely cured of a long asthmatick complaint, which resisted other remedies, by taking, from time to time, a spoonful of mustardseed steeped in vinegar.

THE FARMER.

BALTIMORE, FRIDAY, APRIL 21, 1826.

LEE'S MEMOIRS.—It has long been a matter of surprise that the publick should not have been favoured with a new edition of "LEE's MEMOIRS." They form, in point of style, an excellent model of military narrative, besides abounding in historical memoranda of great value, and incidents not elsewhere recorded, highly curious and characteristic of the men and the times-whereof the author might well have said pars quorum fui, for few acted in that eventful period, a more conspicuous part than he. We know of no military sketches so fas- a beautiful blood, bay colour, with black legs, mane and cinating as those, for a new edition of which the tail; sixteen hands high; of a remarkably fine, indeed publick will be indebted to the solicitation of many military men, and to a motive of filial duty which prompts the Editor to furnish, at this time, a correct copy of the work.

The Editor of the Farmer will receive the names

of those who may wish to subscribe, for the sake cident by which the hoof of one of his fore feet, wa of accelerating the appearance of a work, which injured, Henry was substituted in his place. paints to the life some of the most critical and inte-

resting scenes of the revolution.

"Proposals for publishing by subscription a new edition of LEE'S MEMOIRS OF THE WAR OF THE RE-VOLUTION in the Southern Department of the United States; with Corrections left by the Author, and with Notes and Additions by H. Lee, the Author of the Campaign of '81. These last will contain short Biographical notices of Generals Wayne and Pickfoal getter. ens. The work will be delivered by Davis & Force, at the city of Washington, in one neat octavo vo-lume, of about 500 pages, on or before the next meeting of Congress, and immediately thereafter in the principal cities of the U. States, at \$2.50 a copy. Subscriptions to be returned to Davis & Force."

er-We have observed, with great pleasure, in a respect.. b e Gazette of Chilicothe, an extract of a letter from a gentleman in Baltimore to a member of Congress, representing the anxiety of the nuof Congress, representing the anxiety of the numerous graziers and distillers in the vicinity of Baltimore, that the drovers of the Western country would bring a portion of their lean cattle to this city for sale; and, at the same time, presenting to their view a prospect of extensive and beneficial sales in the event of their coming to this market.

This would bring a portion of their lean cattle to this city for sale; and, at the same time, presenting to their view a prospect of extensive and beneficial sales in the event of their coming to this market. This extract, we are given to understand, has been republished in almost all the papers of Ohio. These circumstances, combined with other considerations,

lean cattle to this market, and will specify the pro bable number and time, the same shall be published with great pleasure, and in a way the most likely to insure a ready sale.

With a view to this facility, it is respectfully hoped that Western editors will be pleased to giv

MISTAKE CORRECTED.

DEAR SIR, Steubenville, April 18, 1826.

In looking over a volume of the Farmer (vol. 6 p. 127,) a short time since, I discovered a mistake (made either by the printer or myself,) in the recipe for making currant wine, which I sent you. The proportion ought to be 2 gallons of water to I o juice-in the Farmer it is stated 3 gallous of water to I of juice, which would make it too thin. I have seen some samples made by the same recipe quite equal to the sample I had the pleasure of sending Yours, with estcem,

JOHN M'DOWELL.

JOHN RICHARDS.

The celebrated horse John Richards, will stand the ensuing season at Pennington, Huntendon county, New

The prices upon which the services of John Richards will be rendered, are the following-\$15 the single leap

\$20 the season, and \$25 to insure a foal.

John Richards is seven years old the ensuing spring faultless figure, abounding in bone and sinew, with aful bold chest; and in point of strength, unexcelled by any horse in the United States.

John Richards was selected from all the best horse of the south, to match Eclipse in the great race, on Long

N. B. Gentlemen who shall send mares from the south, may order them to be left at the residence of Br LA BARGER, of Bristol, Pennsylvania, from whence the shall be carefully sent on to Pennington.

April 21, 1826.

FOR SALE

Three Jacks. Fairfax 8 years old, 11 hands 2 inche high, girth 4 feet 8 inches, is well formed and a goo

Don Juan will be 4 years old on the 3rd of August, 12 hands 3 inches high, girth 5 feet, in form and appear ance is surpassed by no Jack in the state. Fairfax an Don Juan are descended from the Mount Vernon stock

Leo will be 2 years old on the 18th of May, is 1 hands high, girth 4 feet 6 inches, was got by Colone Tayloe's Jack, to whom the premium was awarded a the Maryland Cattle Show, in 1622.

J. G. CHAPMAN. April 21, 1826. La Plata, Charles county, Md.

CONTENTS OF THIS NUMBER.

tise on the Gooseberry, concluded—Distribution of the Cherokee Rose Cuttings, by Mr. Rowan—Wine made by Mr. McCall of Georgia—Cast iron Grist Mill—Stray Plaits—Water Boring at Harper's Ferry and at Alexandria D. C. Whitenatte a Newly married activities. induce a strong presumption that some of the Western drovers will this year bring their lean tinued—Obituary of celebrated Turf Horses—On Steepeattle to Baltimore for sale. Should there be such ing Cloth—Miscellaneous Scraps—Recipes—Prospectus a disposition, it would be proper that our graziers for second edition of Lee's Memoirs—Editorial

PRICES CURRENT.

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e	CANDLES, Mould,	-		12				14	31
	Dipt,	-		16					124
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	FEATHERS, Live,	_		32		33		37	
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d	HOGS' LARD,			7.		81			
ii	LEAD, Pig	lb.		61		7			
	Bar	—		75					
У	LEATHER, Soal, best,	-		24		25		62	
s	MOLASSES, sugar-house	gai.		45				521	75
-	Havana, 1st qual	_		26	1 2	263		373	
g c-	NAILS, 6a20d	lb.		$6\frac{1}{2}$				9	
35	NAVAL STORES, Tar,	bhl.	1	27	- 1	31			
	Pitch,		2	25					
	Turpentine, Soft,		1	75	2	00		- 1	
e	OIL, Whale, common, .	gal.		30		31		40	
E-	Spermaceti, winter .	_		68		70		88	
y	PORL Baltimore Mess,	bbl	11	00	12	00		- {	
	do. Prime,		8	50	9	00			
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	ground,	bbl.	1	50		01		_	
es	RICE, fresh,	lb.		3		31		5	6
od		lh.		12		14		18	20
·u	Brown and yellow,	-		51/2		7		8	12
10	WHISKEY, 1st proof, .	gal.	-	7월		81		38	50
15	PEACH BRANDY, 4th pr	-		75	ì	00	i	25	
-1	APP' E BRANDY, 1st pr			37				50	
ıd	SUGARS, Havana White,		13	50		(15		16
k.	do. Brown,	_	9	00	9	50			
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el		lb.		19		22		20	28
at		10.		70		75	1	00	20
	SPICES, Cloves,					10	•		
	Ginger, Ground,			7				12	
	Pepper,			17				25	
	SALT, St. Ubes,	bush		43		45		1	
=	Liverpool Blown	-		47	4	173		75	
	SHOT, Balt. all sizes, .	ewt.	9	50			12	50	
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С	Skinners' or Pulled, . Printed every Friday, at	<u></u>	-	_	-)	101	

SKINNER, Editor, by John D. Tov, corner of St. Paul and Market streets, where every description of Book and Joh Printing is handsomely executed.

AGRICULTURE.

ON THE MANUFACTURE OF BUTTER AND CHEESE.

By S. De Witt, Esq., of Albany.

(From the 3d [last and best] vol. of the Memoirs of the Board of Agriculture of the State of New York.)

[EXTRACT.]

On the subject of manufacturing butter I cannot refrain from saying something more. It will be sm- for low-lands: ply concerning the operation of churning. I list summer visited a farmer near Ithaca, who kept a dairy, supplied by about sixteen cows, and conducted in the manner I have been accustomed to seein Ulster and Orange, as described in my communication for the Plough Boy; the butter from which commanded a higher price than any other in that part of the country. The working of the churn part of the country. The working of the churn was done by a dog. The machinery for this pur-pose was simple. It consisted of a circular platform inclined to the plane of the horizon, and moving on an axle through its centre. The dog was round his neck and attached to an adjoining fixture. In this situation, the platform being put in motion, the dog was obliged to perform the operation of waking on it upwards; by which means the motion was continued, and by means of a simple contrivance

which the mistress of the dairy treated me. occupied the field; to have the ground perfectly pulother of the best cultivated grasses.

verized by ploughing and harrowing, and then to sow In order to make a good meadow on a rich soil, I

The practice of putting a small quantity of grass seed on ground laid down for pastures or meadows, ground at once. Every body knows what a small is one of the greatest errors in the husbandry of quantity is generally used, and how long it is before our country. On this subject I wish that our far-lands laid down as pastures or meadows come to mers would consult a book published in London, perfection, and how they are injured by grasses of called the Complete Grazier. It gives recipes for spontaneous growth, which ought not to be there; the kinds and quantities of seed per acre proper to but for which the greater part of the surface of the be sown on all the varieties of soils; such as slay, ground is left by the stingy sower. In confirma loam, sand, chalk, peats, up-lands, mid-lands, low- tion of the propriety of these remarks, I will make

As a sample, I will copy the recipe for an acre

Meadow Fox-tail, .						2 pecks
Meadow Fescue,						2 do.
Rough-stalked poa,						2 do.
Ray grass,						1 do.
Vernal grass,				٠		1 quart.
White clover, .	4,		٠			2 do.
Marl grass,		٠				2 do.
Rib grass,	٠.				٠	2 do.

be compared with our practice.

Here it is proper to be observed, that in laying placed on it near its edge, with a rope fastened down grounds for pasture lands, the English select the seeds of such grasses as will come to maturity in succession; but I think they carry this scheme to excess, and that there is no necessity for a mixture of such a variety of seeds to be used for these purposes. In our country the most estuemed grasseommunicating with the churn-stick, the churning es arc—white and red clover, timothy or herds' in this manner was performed and completed in grass, the red top, and foul meadow. With these about an hour; when the dog was dismissed and some other indigenous grasses intermix, the merits received his customary reward, a plentiful regast of which deserve to be investigated. Our best on milk, &c. Thus treated, he returned to his la- grasses for meadows are unquestionably the timobour with alacrity when it was again required, thy, the red top, and foul meadow. The merits of ashes thoroughly mixed together, and folds his The churn held of milk and cream put together in this last mentioned grass are not generally known, it, about the contents of a barrel. I staid during the and I suspect it to be the best for least the last mentioned grass are not generally known, ever is still to great the last mentioned grass are not generally known, ever is still to great the last mentioned grass are not generally known, ever is still to great the last mentioned grass are not generally known, ever is still to great the last mentioned grass are not generally known, ever is still to great the last mentioned grass are not generally known, ever is still to great the last mentioned grass are not generally known, ever is still to great the last mentioned grass are not generally known, ever is still to great the last mentioned grass are not generally known, ever is still to great the last mentioned grass are not generally known, ever is still to great the last mentioned grass are not generally known, ever is still to great the last mentioned grass are not generally known, ever is still to great the last mentioned grass are not generally known, ever is still to great the last mentioned grass are not generally known. it, about the contents of a barrel. I staid during the and I suspect it to be the best, for low alluvial soils, process of one churning, and was highly gratifed to be found in our country. It appears to me to be with it; and what contributed much to my graifi a variety of the red top, Agrostis vulgaris, and precation was the delicious beverage of buttermilk with ferable to it, being more delicate in its structure, hich the mistress of the dairy treated me. and having leaves more slender, longer, and in As having not a very remote relation to dairies, greater abundance. I have been told by an acsome remarks on pastures and meadows, will not be quaintance from Orange county, that it is chiefly out of place here. With regard to these, we have used on the reclaimed drowned lands there, and in this country availed ourselves but little of the preferred to all other grasses, and that it yields precepts founded on a thousand years' experience most abundant crops. I know from my own observabeyond the Atlantic, where their value is duly ap-preciated, and the fruits of them are fully enjoyed. cial preparation, it has gradually supplanted the There we are taught, that in order to have good pastures or meadows, no pains or expense must be low-lands at Ithaca. There can be no better hay spared to carich the soil where that is needed, to than that which is made of it. On a rich, moist destroy as far as possible by a suitable course of soil it will grow uncommonly dense, and I should husbandry, every weed and plant that previously think would yield as much from an acre as any three bushels of them sown on an acre.

on it a plentiful quantity of grass seeds suited to the would recommend this practice. Destroy all the all the efforts of man, and the acquisitions of scisoil, and of those kinds which have been proved to be the best for those purposes. The fault I mean to find with our practice contrasted with that of the English is this-for pasture or meadow we sow in timothy seed as that the growth from it shall imme-sidered. With the reflection of this light on it, how the spring of the year, on a field of winter grain, a diately cover the ground, at least, as thick as a field most wretched does it appear! small quantity of grass seed, from which we expect of flax. This then will give you clear, abundant How far the grasses of Eu small quantity of grass seed, from which we expect of flax. This then will give you clear, abundant our future pastures and meadows, and trust to their crops of timothy, to the exclusion of every other our country, experience must decide. We know branching out in two or three years so as to make grass. Or if the ground be inclined to moisture, that one of our best grasses, timothy or herds' tolerable pastures or meadows. In the meanwhile use foul meadow seed in the same manner; or make grass, cannot be cultivated to advantage in England, other grasses and weeds spring up so as to occupy use of a mixture of timothy and foul meadow; at and sufficient experiments have not been made, or most of the ground; and this is most notoriously all events be not sparing of seed, and immediate if made, not recorded, to ascertain which of the the case in our new country, where the seeds of abundant crops will be the reward. Timothy and thousands of varieties of plants lie in the ground foul meadow, or red-top, I consider as the best of practice of husbandry. Nor have the proper reready to spring up and overcome the growth of ar- any known grasses for our low-land meadows, and searches yet been made to ascertain what additions titicial grasses. In order to prevent this, the Eng-the more every other kind can be kept out of them may be made to our pastures and meadows, by the lish practice before described is the more necessary the better. Some of the English grasses may be introduction of the grasses on which our cattle sub-

here. The aboriginal weeds must first be destroyed advantageously used in laying down permanent sist in their ranges in our forests. For this purpose

I have said that too much seed cannot be put in the further quotations from the Complete Grazier.

"The following proportions were sown a few years since by the Earl of Darlington:

White, or Dutch clover . Clean hay seed, . . 14 bushels. Rib grass, ? Trefoil, 15 lbs.

By which means (the soil being previously ploughed very fine, and made perfectly level,) the land was speedily covered with a thick and excellent herbage. The only exceptionable thing in this seed is generally about a bushel per acre. Let this practice is the quantity of seed, which is certainly

The last remark, I presume, means an unnecessary waste of seed, not that the quantity used was

an injury to the production of the field.

"Mr. Dalton's mode of laying down land to grass is, to make the ground perfectly smooth and level. and then sow upon every acre the following seeds,

Hay seeds	, ,			40	6	bushels.
Rib grass,					. 12	lbs.
White, or	Dut	ch cl	lover	,	8	
Burnet,					. 5	

He manures it with a compost of earth, dung and management be excellent."

"In the laying down of land for the purpose of forming a good meadow, greatly superior to the generality of pastures, the late Mr. Curtis recommends the following grasses, and two species of clover to be mixed in the following proportions:

Meadow fescue grass,			1 pint.
Meadow fox tail grass, .			1 do.
Rough tailed meadow grass, .			} do.
Smooth-stalked meadow grass,			ł do.
Crested dog's-tail,			do.
Sweet-scented spring grass,			₫ do.
			do.
Common, or red clover			do.
	-		

"These are to be mixed together, and about

Such appears to be the practice where agriculture has been growing towards perfection, aided by years. Now let the practice in our country be con-

by preceding crops, especially by those which require the use of the hoe, and then such a quantity
of clean well selected grass seeds must be sown as
will cleverly fill the ground, and in their growth
smother every other vegetable. For this purpose
to much seed cannot be put in the ground at once. The this purpose
pasture grounds; but white clover and timothy
are the best in use among us. Red clover is to be
or cow, not starved, but with an appetite rather
osated, into the woods, at a proper season of the
year, and observe the grasses which the animal
would select for his food. By this means some
too much seed cannot be put in the ground at once.

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I have met with a remark in some English treatise on the subject under consideration, that "a good pasture is too valuable ever to be broken up." If this be the case, let the man who undertakes to prepare a dairy farm, soliloquize in this manner, when he is preparing his pasture fields:—I am it might not be useless to examine into the correct-now about doing what is to be done only once ness of a few of his opinions. in my life-time, on the farm from which I am to obtain my living; therefore let no pains or expense be is as follows: "It is not always by putting the best with the view of uniting the valuable properties of spared to have it done in the best possible manner. I will plough, harrow and hoe my field, and raise such crops on it as are best calculated to destroy overy kind of vegetable now growing on it. I will gree, it will in general preponderate so much in make use of every means that can be contrived to enrich the ground. I will pulverize the soil, and as to the theory of the matter. What foundation tim could not be perpetuated." Here the writer, level it as much as possible, and then I will make has Sir John for this opinion? Is not the whole art wth respect to the perpetuation of the breed so a selection of the best and most suitable grass a selection of the best and most suitable grass of seeding founded apply the seeds, and sow them in abundance on it, remembering that I cannot sow too much in order to lave full crops immediately, and to prevent the growth of noxious plants; and if any of these growth of noxious plants; and if any of these should notwithstanding spring up, I must go over my fields and eradicate them, and in a few years I will have a good clean pasture, which will last my life-time, and be retained in the highest state of perfection by means of occasional top dressings, or by scattering some pulverized gypsum over it, and sometimes, perhaps, by a scarification, all which will cost me but a trifle compared with the benefits I will receive from them.

The late Gouverneur Morris had several dairy establishments on his estate at Morrisania. On the exquisite flavour of the butter they produced I have often feasted at his table. In rambling over his fields and visiting his dairies, among the numerous instructive observations he made on agricultural subjects, one was new to me, and I considered it worthy of being remembered, and of having the truth of it investigated. It was this—"The older the pasture, the better will be the milk and butter which it produces." Whether this be correct or not, I cannot, from my own experience or observation decide. further than this, that some of the most luxuriant pastures about Morrisania, appeared to be very aged, and I knew that the butter they produced

was most excellent.

In closing this communication I shall make one further remark. The subjects on which I have touched must be confessed to be important. They stand related to the essence of our highest interests, the productions of our soil. These are to create our wealth, and all our enjoyments thence to be derived. They are therefore deserving of a primary attention. Have the English, who are our school-masters in husbandry, taught us what is suitable to their soil and climate, they have not taught us what is suitable to ours. This is a task belonging to ourselves and deserving of all our application. Let then every practicable method be adopted for ascertaining what grasses are most proper for the pastures and meadows of our country, and what seeds or mixtures of seeds are the most suitable for our various soils. This is a business that should not escape the attention of our institutions, created expressly for the purpose of meliorating the agriculture of our country.

The following are the articles above alluded to! (To be continued.)

ON THE ART OF BREEDING.

MR. EDITOR,

Philadelphia county.

In looking over, a few days since, the Memoirs of the Pennsylvania Agricultural Society, I obscrved an essay, which has been transferred to the American

additions to those used with us for our pastures or Farmer, on the "Art of Breeding, by Str John Se- hin. But further, what does he mean by the juncgestion of a gentleman belonging to the society who says that the essay "evinces a perfect knowtion, in his reasoning on this subject, I thought that to similarity of defect.

The first sentence upon which I wish to remark. The probability is, that the greater number of the produce would possess the defect specified in the what a lawyer would call one of the "moot points" had been too closely bred in-or else, as an inmentioned, and which the breeders are careful to lega as being a very hardy vigorous race. I allude counteract. On the next page he observes: "If a to the Druses.

CECROPS.

breed cannot be improved, or even continued in the degree of perfection at which it has arrived, but hy breeding from individuals so selected as to correct each other's defects, and by a judicious any other blood, or from being what is technically Holmes, of Winchester, Va.] called, bred in and in." The most remarkable thing about this sentence, is the total absence of all logical connexion between the premises and the conclusion. Before the conclusion can be established, it must be shown that there can be found no indivibred from brother and sister; this is certainly what remarks—"I shall inquire, secondly, whether a cross may be called a little close; but should they both be from two distinct breeds can be obtained and continued, very good, and particularly, should the same defects so as to unite in an almost equal degree the properties of both; and I am fully of opinion that this can be accomplished;" and he then goes on to mention instances in which it has been done.

That paper will be published in the next number of the American Farmer, from the 1st vol. of the Memoirs of the Philadelphia Agricultural Society.]

The close of the properties of the Memoirs of the Philadelphia Agricultural Society.]

The close of the Memoirs of the Philadelphia Agricultural Society.]

The close of the Memoirs of the Philadelphia Agricultural Society.]

The close of the Memoirs of the Philadelphia Agricultural Society.]

bright;" and introduced into the memoirs at the sug- tim of brother and sister not being objectionable? Unless the produce upon the whole are equal to the parents, it certainly would be objectionable; and if ledge of the art of breeding." As Sir John appears equal, what objection can there be then to their to me to have fallen considerably short of perfection also, under the same restrictions in regard juiction also, under the same restrictions in regard

'Although I believe the occasional intermixture of different families to be necessary, I do not, by any means, approve of mixing two distinct breeds, male to the best female, that the best produce will both.* If it were possible, by a cross between the be obtained; for should they both have a tendency Licester and Merino breeds of sheep, to produce to the same defect, although in ever so slight a de- at animal uniting the excellences of both, even of breeding founded upon these two plain princi-obtained, besides going contrary to common obser-

same degree with the parents; that some would possin the theory of agriculture. The opinion of the sess it in a less degree and some in a greater. But necessity of change, has always been held by many, to refer to experience and practice: Do we really not only with respect to brutes, but also with redefect. Now, all well bred Southdown sheep have the late Joseph Cooper, of New Jersey, published in dark faces and dark legs; yet I have never heard of any breeder expressing an apprehension that the black colour would, in three or four generations, has, at least, made a very strong case against the extend gradually from the face to the very fip of the tail. On the contrary, a black body or a white face would be considered, either as showing a demodern physiologists. Indeed, we read of a nation viation from the blood, instead of proving that they situated near Mount Lebanon, in Palestine, who have always permitted marriage between brothers stance of the slight tendency to change already and sisters; and yet they are represented by travel-

CHICORY.

combination of their different properties, (a position, l believe, that will not be denied,) it follows that animals must degenerate, by being long bred from the same family, without the intermixture of the same family, without the intermixture of the same family without the same f [This grass possesses, as we are inclined to think.

CHICORY.

This is a herbaceous plant of the succulent pe-

*In a communication from the gentleman who condual in the particular family under consideration, knowledge of the art of breeding," inserted in the the particular family under consideration, knowledge of the art of breeding," inserted in the exempt from the specified defect; which would be to suppose that nature shows an invariable tendency crossed the broad-tailed sheep with the sheep of Dishfor like to produce like; which is false, and would ley blood, in the expectation of obtaining the good also strike at the root of all improvement in breeding, at once. The writer then quotes the practice brated breeder in England, in writing to Sir John, observes with respect to this year sent to the very sent to the of the celebrated Bakewell, who, he informs us, asserves with respect to this very point. "I have seen serted that he acted on the principle of breeding in much of crossing, but never yet saw the accomplishand in. But Sir John gives us to understand, that Bakewell was addicted to telling fibs about his stock. Upon what authority he says this, he has not informed us. He mentions also a breeder of fox hounds, a mer, rather than the latter," With respect to the per-Mr. Meynel, and observes: "Mr. Meynel, and observes: "Mr. Meynel, and observes: "Mr. Meynel, and observes: "Mr. Meynel sometimes required for a gross as obtained the written lest guetted." Mr. Meynel, and observes: "Mr. Meynel sometimes petuation of a cross so obtained, the writer last quoted bred from brother and sister; this is certainly what remarks—"I shall inquire, secondly, whether a cross

^{*}These will be given in our next.

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observations of Mr. Young, detailed in his very useful work, the Annals of Agriculture. The plant is, however, supposed by Professor T. Martyn, in luxuriance of their growth, are capable of being horses were in the field, no remark was made when net, it will form a layer for five or six years, better thrives to much profit on fenny, boggy, and peaty thirty tons to the acre: this is probably, however, a lands; and where clover is worn out, it likewise and larger produce than the plant is capable in general On a brashy soil, the Duke of Bedford found that swers well.

In respect to the preparation of the soil, it is protion must be employed; but when sown alone the ground should be rendered fine by two or more When left to run up to stem and seed the proground should be rendered fine by two or more duce is considerable, amounting in the third year, ture of the soil, and repeated harrowings.

perfect manner when new.

The quantity of seed which is necessary for the ing than many other plants.

At the sale of Saxony sheep, by auction, which cre, must as in other sorts of crops, of course vary

"In a comparative experiment made on a small took place at Albany last Friday, seven bucks sold acre, must as in other sorts of crops, of course vary acre, acre, must as in other sorts of crops, of crops, of course vary acre, acre, must as in other sorts of crops, of crop ther sown alone or with grain in the spring, is from ten to twelve pounds. In the row method of sowing, at the distance of a foot, from seven or eight to ten pounds may, however, be fully suffi-when the grasses were mown and weighed green, when the grasses were mown and weighed green, "Sale of Saxony Sheep. cient. As the plant is not of the tillering or spread-ing sort, a full proportion of seed should, however, fell till the 11th and 12th of July, when it was very

Time and method of Sowing.

The period of putting in chicory crops must be regulated by the method in which the business is performed, and the views of the cultivator. When it is sown without other sorts of crops, the work may be executed at any time from about the middle of March till the latter end of the summer; but with corn it must describe the summer; but with the superiority of chicary in general, over other plants are considerable, which is a corn it must describe the summer; but with the superiority of chicary in general, over other plants are considerable. corn it must depend on the season they are put in. It is sown with both oats and barley, but the first will obviously admit of the more early sowing. From the plant being hardy, it should, probably, he put into the soil as early in the spring as possible. Mr. Young found it less liable to be injured by grain crops than other sorts of grasses, and to succeed well with most of them.

It is mostly sown in the broadcast method, after the surface has been rendered fine and covered in by a light harrowing. But from its growing with the greatest luxuriance where it is the most open and has the greatest benefit of free air, it is suggested as well adapted to the row method of cultivation. In which case it may be drilled in at nine inches on such lands as are of the poorer kind, and twelve in those that are more fertile, being harrowed in by one bout of the harrow.

After-management.

stock. It seems to have been first fully brought to rows, the use of the hoe will be required to keep mown by the farmer, and fed through the latter.

his edition of Miler's Dictionary, to be a highly improved variety of common succory; as in its wid pose of soiling horses and other sorts of stock. It they are it with avidity. state that plant is dry, hard, and without much succulence. It is capable of being grown on most of the first season; but in the following summers the the loamy descriptions of soils, and even in some of operation may be performed three or four times the more light brashy sorts of lands, and other according to circumstances. Mr. Young advises mere than once or twice. Mr. Martin found it an excellent summer pasturage for store sheep, whether mixed with clover or alone, especially on dry soils and in dry sumther more light brashy sorts of lands, and other according to circumstances. Mr. Young advises mere formed the cordination of the following summers the star formed three or four times or alone, especially on dry soils and in dry summers the more light brashy sorts of lands, and other according to circumstances. Mr. Young advises mere formed the following summers the star formed three or four times or alone, especially on dry soils and in dry summers the star formed three or four times or alone, especially on dry soils and in dry summers the star formed three or four times or alone, especially on dry soils and in dry summers the star formed three or four times or alone, especially on dry soils and in dry summers the star formed three or four times or alone, especially on dry soils and in dry summers the star formed three or four times or alone, especially on dry soils and in dry summers the star formed three or four times or alone, especially on dry soils and in dry summers the star formed three or four times or alone, especially on dry soils and in dry summers the star formed three or four times or alone, especially on dry soils and in dry summers the star formed three or four times or alone, especially or alone, especial poorer kinds, but succeeds the most perfectly in four cuttings in order to prevent the stems from a great depth, affords a large quantity of food, such as are not too much retentive of moisture. The former of the above writers say, that it affords less nutritive. The proper times are to begin about drought affecting it: it should always be eaten close.

than from trefoil, white clover, and ray-grass. It also Mr. Young's trials, upon the average of four years,

of affording.

It is not only in favourable seasons that this bably less particular than many other similar plants, coarse juicy plant can be made into hay with sucbut answers in the best manner where the land is in cess: nor is it well suited for the purpose, being of that, on the same land, no other artificial grass a tolerable state of fertility, and has been rendered much greater advantage when consumed in its in some degree fine and mellow. When it is put in with other sorts of crops, the same kind of prepara from three to four tons the acre. This sort of hay used as a green food fo

This is the best when collected from the plants by and the soiling of these as well as horses, as it port of stock, than the former. the cultivator, as, like most other sorts, it is liable springs more rapidly than either sainfoid or burnet; to be mixed in the shops. It vegetates in the most but it is likewise found to answer admirably for pasturage for sheep; as it is less injured by close feed-

covered with herbage.

Section of In August, cut all again, when the ehicory crop had much the advantage in quantity. In the after-grasses also, the chicory was the only one productive." From the whole of the experiment it appears that

As a very large proportion of green food is afforded by this plant at a period, when it is not otherwise easily obtained, its uses in soiling cattle or animals, is evident.

In a comparative experiment of stall-feeding eight beasts with tares and chicory, it appears that on putting to tares only from May 25 to June 21, they gained 49½ stones; weighed again 6th July, gained 17 stones: on this weighing they were put to chicory, the tares and that both being given to them; weighed again 13th July, only one week afterwards, and had gained 27½ stones, or an advantage of about 8s. 7d. per head per week.

Its utility for the purpose of pasturage is fully shown by other statements.

On an experiment being made with ten pounds of this seed over five acres, in a good strong wet loamy soil, sown with barley among clover, trefoil, ribgrass, burnet, &c. in order to remark in the pasturing whether sheep and cattle would eat it as

rennial kind, that has been lately introduced into cultivation for the purpose of affording green food for the summer support of different sorts of live common broadcast method; but where drilled in bage was produced: the two following years it was the notice of agriculturists by the experiments and the intervals as well as the plants in the rows clean, lt proved by the result that the chicory was always observations of Mr. Young, detailed in his very and the ground well stirred.

a large supply of sheep food on poor blowing sands. April or May, and to continue it every other month and that with a portion of cock's foot grass and bur- till October.

April or May, and to continue it every other month the must have abundance of food; for in such cases Its produce when cut green is large, affording, in it would send up the seed-stalks too much, and they would not eat it, and by its luxuriant growth it

> the produce of an acre sown with this food, the first year supported seven new Leicester sheep, of about 22 lbs. the quarter, for six months; and is of opinion

> There are some other plants occasionally cut and used as a green food for cattle; such as buckwheat (Polygonum fagopyprum,) and winter barley, &c.

And it seems probable, from some trials which have been lately made, that the latter, as being exto more than four hundred weight on the acre.

The most useful application of this sort of crop may be grown with much more advantage as a is probably feeding cows and other sorts of cattle, green food for the purpose of sciling and the sup-

SAXONY SHEEP.

"An effort was made in this city on Saturday last to make sale by auction, of a flock of Saxony sheep. The selection, it is said, had been made with care; and the arrangement of the bucks and ewes in eight different pens. The conditions on which they were offered, &c. were considered judicious, and well calculated to effect a sale. But it is a matter of regret that the proprietors were so much discouraged with the bids for the few that were struck down, after two attempts morning and afternoon, as to induce them to postpone the sale until to-morrow morning, when it will take place near the capitol. When the value of this animal, and the facilities which our inland navigation will afford for its easy introduction into every part of the state, are considered, it will be a source of regret if this first attempt to bring them to the doors of our agriculturists, should prove so discouraging as to forbid any future effort of the kind."

HORTICULTURE.

SEA-KALE.

Directions for cultivating the Crambe Maritima, or Sea-Kale, for the use of the table. By William Curtis, author of the Flora Londinensis, Treatise on Pasture Grasses, and a variety of works on gardening, &c.

The crambe-maritima, is found growing spenta-Where the crop has been put into the ground in well as those other grasses; it was viewed during neously, though locally, on the sea-shore of our ispreferring the dry and pebbly to the moist and san-

dy beach.
This plant is of the same natural class as the cabbage, but differs from it and most of the Tetradynamous plants of Linnæus, in having a round seed vessel, containing one seed only; it has other generic distinctions, some of which are striking and curious; its root is perennial, running to a great depth, growing to a great thickness, and branching out widely, but not creeping, in the proper sense of understood, but even here it is as that word, as Parkinson, Miller, and Bryant, have ing an object of general cultivation. described its: its full-grown leaves are large, equalling in size, when the plant grows luxuriantly, those of the largest cabbage, of a glancous or sea green where a regular gardener is kept, and it is grown hue, and waved at the edges, thick and succulent for the market by the commercial gardeners of in their wild state, dying away and disappearing London, Edinburgh, and Glasgow. Many consiin their wild state, dying away and disappearing London, Edinburgh, and Glasgow. Many consi-entirely at the approach of winter. Seedling der this vegetable equally deheate as asparagus, plants, if raised late in the spring, produce the first and it is raised at one fourth the expense of that cheaper than utensils with moveable tops; others them throw up a flowering stem, a foot or more in time sooner. It is also much easier forced than any

* This herbe groweth at Dover, hard by the sea-side, and in many other places.—t name it Brassicam Dobri- of sea-kale every day from Christmas till May or cam, in English, Dover Cole, because I found it first later. beside Dover. Turn. Herb.

Præter hasec, est ctiam perquam pulehra Brassica, sylvestris Dioscoridis specie diversa, locis oriunda Angliæ maritimis ad Portlandiam insulam. Lob. adv. 93.

Groweth naturally upon the bayche and brimmes of the sea where there is no earth to be seen, but sand, and rolling pebble stones, which those that dwell near all other greens; they seek for the plant in the sea do call bayehe. I found it growing between all other greens; they seek for the plant in the indeed succeed in almost any soil, provided it be Whitstable and the Isle of Thanet, near the brincke of spring where it grows spontaneously, and as soon dry; its luxuriance will depend chiefly on the ma-

Grows in many places on our own coasts, as well the Kentish as the Essex shore, as at Lidde in Kent, and Colchester in Essex. Park. Th.

Found wild by Hastings, in Sussex, plentifully

On the sea-coast, in sandy or stony soils, but not common; on the shore hy East-Castle, Berwickshire, Dr. Parsons. Lightf. Scot.

At Roosebeek, in Low-Furness, Lancashire, Mr. Woodward: near Megavissey, Cornwall, Mr. Watt.

† Habitat ad littora oceani septentrionalis. Linn. Sp.Pl. in Prof. Murray's Syst. Veg. the seed-vessel in the generic character is thus described, Bacca succa globosa decidua; thus in Gmelin's Syst. Nat. is altered to Pericarpium simplex, globosum, deciduum, 2-articulatum, some of the species having been found with two cells, as the fruticosa; but this plant not having the forked filament, fig. 1, so peculiar to this genus, Prof. Murray doubts whether it ought not to be regarded as a Myagrum, and thinks that both the genera might, with more propriety, be referred to the order Siliculosa, where every student would expect to find them.

§ If the main root, or any of its remoter branches be divided into a number of pieces, each piece will grow if committed to the earth; and as it is impossible to dig if committed to the earth; and as it is impossible to dig about the widely-extended roots of these plants with-aut dividing many of them, and leaving a number of fragments in the earth; plants unavoidably arise from such, around the original, and give to it the appearance of having creeping roots; but though in fact they are not so, the multiplication of the plant by the necessary process of digging, renders it in some grounds a trou- ing-stem, which constitutes the chief eatable pat,

Authors describe a variety with jagged leaves, such we have not seen, but have frequently raised a green variety from seeds.

TParkinson, perhaps, never committed a more egregious blunder, than in the account he has given of this part of the plant's economy: "the root is somewhat great, and shooteth forth many branches under ground, keeping the green leaves all the winter." Bryant in his FI. Diæt. misled perhaps by this account, says, the radical leaves being green all the winter, are cut by the inhabitants where the plants grow, and boiled as cabbage, to which they prefer them.

land," as well as of many other parts of Europe; height, which expanding into numerous branches, and secondly there is no danger of injuring unripe forms a magnificent head of white, or cream-co- or other stalks by the operation of gathering, loured flowers, having a honey-like fragrance; these if the scason prove favourable, are followed by abundance of seeds, which ripen about the end of

> As an article of food, the crambe-maritima appears to be better known here than in any other part of Europe, it is in this country only that its value is rightly appreciated, and its culture truly understood, but even here it is as yet far from be-

Since the above was written in 1799, the seakale has been introduced into every private garden, year radical leaves only, the second spring most of plant; because it comes into use one-fourth of the culinary vegetable whatever, and no gentleman who ter, but none of these practices are so convenient can afford one load of fresh horse-dung per month and neat, or in the end so economical, as the mode from November till April, need be without a dish

It would be very difficult to ascertain the precise period of its being first used with us as a culinary plant: on many parts of the sea-coast, especialty of Devonshire, Dorsetshire, and Sussex, the inhabitants, for time immemorial, have been in the practhe sea, and in many places near to Colchester, and as it appears above ground, they remove the pebnure with which the soil is enriched.

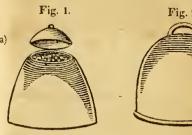
elsewhere by the sea-side. Ger. Herb. bles or sand with which it is usually covered, to the depth of several inches, and cut off the young and tender leaves and stalks, as yet unexpanded and in a blanched state close to the crown of the prepares by trenching and mixing with rotten dung root, it is then in its greatest perfection; when the In arenosis maris littoribus circa Angliam ubique leaves are fully grown, they becume hard and bitfere. Raii Syn. We have not found it growing so generally as Ray describes. ter, and the plant is not catable; the more curious. Mr. Maher who has paid much attention to the desirous of having it near at hand, and in their more culture of this plant, and written a valuable paper immediate possession, have nuw in many of the on it, says, every thing as to strength, depends on and in Devoushire particularly, almost every genneighbourhood of Bath; and my friend, Mr. Wm. Junes, of Chelsea, tells me, that he saw bundles of it in a cultivated state exposed for sale in Chiches from seed; it may also be raised from cuttings of the ter market, in the year 1753. I learnt from different persons, that attempts had been made at varithis most desirable article.

it before it is fit for the table; to effect this, it must cessary to water them as occasion may require. be covered in some way or other, before the flowering-stem, which constitutes the chief eatable pat, diately from seed, on the bed where they are intendand its attendant leaves, shew the least sign of eme-ed to remain; by this means the plant receives no

ging from the crown of the roots.

The most generally approved mode of blanching at present is by covering each plant or stool of buts

Many cover with large flower pots; or bell shaped carthen pots (fig. 2.) 12 or 15 inches diameter,





and a foot or more in height: both which come place a long narrow frame or frames of wickerwork over each row, and cover it with mats or litby earthen covers with moveable tops (fig. 1.)

Cultivators differ widely in their plan of treating this plant: many conceiving that stones, or gravel, and sea-sand are essential to its growth, are at the expense of providing it with such, not aware that it will grow much more luxuriantly on a rich sandy loam, where the roots can penetrate to a great depth, without reaching the water, in which if they

Mr. Thomas Barton, a gardener in Lanarkshire. finds the sea-kale does remarkably well on a "pretty strong loam with a loose till bottom." This he and vegetable mould. Caled. Hort. mem. vol. ii. p.

maritime counties introduced it to their gardens, the dryness of the bottom and the richness of the soil; and every thing as to flavour, on the manure tleman has a plantation of it for the use of his table; used being applied in a perfectly decomposed state, it has for many years been cultivated for sale in the like mould:—decayed leaves, he says, are much to

be preferred.—Hort. Trans. vol. i.
The most useful mode of raising the sea-kale is root, and that with the greatest certainty, but seedlings make the finest plants; some find a difficulty in ous times to introduce it to the London markets, making the seeds vegetate, this we attribute to their but ineffectually: a few years since, I renewed the being old, buried too deeply in the earth, or sown too attempt myself, and though it was not attended late in the spring; the most proper time for sowing with all the success I could have wished, I flatter the seeds is in October or the beginning of February, myself it has been the means of making the plant while the earth for the most part is in a constant so generally known, that in future the markets of state of moisture, and an inch and a half, or two inthe first city in the world will be duly supplied with ches, is the proper depth at which they should be buried; they rarely vegetate in less than six weeks, It is to be observed, that the sea kale is delicate after being sown even in the most favourable sea-eating only when young, and that it is highly in-sons, and they are known sometimes to remain 12 proved by being blanched; in the cultivation of months or more, without shewing any signs of it; this plant it becomes necessary therefore to bland should the season prove unusually dry, it will be ne-

It is the best practice to raise your plants imme-

check to its growth.

This point all are agreed on. The sea-kale does not transplant well, and grows so rapidly from seed, with a blanching pot (fig. 1.) consisting of a top that in forming a plantation nothing is gained by and bottom, and of 12 or 14 inches diameter and transplanting. Transplanting old plants for forcing height. When the stalks are supposed sufficiently is a different thing; in that case the roots are to be blanched the top (a) is removed, and the hand inconsidered as bulbs, or store-houses, containing a troduced to cut off the stalks; it is then replaced as certain quantity of nutriment. All that is wanted is before. Two advantages attend this mode; first to make them give out this quantity in the form of the dung or other matter usually applied for forcing shoots, to be gathered as they appear; not that they or blanching does not affect the flower of the kale, should root into, or fix themselves in the soil for fu-

and wide enough to hold two rows of plants abreast, the space between each plant in the row fourteen inches, and between each row a foot and a half; sow



about half a dozen seeds, as before directed, on each seed may not vegetate, and some of those that do may be destroyed by the turnip fly or wireworm; to a single plant; this reduction, however, need not for the sake of a more certain crop, you are disposed to make your plantation of the cuttings of the roots, you must take such as are of the size of the ring-finger, and cut them into pieces of about two inches in length, burying each in an upright position about three inches under ground, in the same kind of bed and at the same distances as you would have sown the seeds; the middle of March will be a proper season for doing this. Or if, for the sake of forwarding your plantation and gaining time, you put to serious expense-often ineffectually-to remake use of plants instead of seeds, or cuttings, they should be those of a year old, properly trimmed and transplanted with care; February and March will be ject, and that after various experiments, he has at these; if their flowering stalks be cut for food the same season, the plants will be liable to be weakened, and hence even in point of time, there is little gained by using such, for most of the seedling plants in your bed, if they have been properly managed, as well as your plants from cuttings, will flower, and, of course, be fit to cut the second year.

Early in December cover your bed with a thick coat of rotten dung, or leaves; this at the same time that it protects your plants from frost, will bring them forwarder, and add to their luxuriance; about the middle of February it will be necessary to cover your plants for blanching, the old mode of doing which was to draw the earth up with a hoe over the crown of the root, so that each plant was covered to the depth of ten or twelve inches; some blanched it by heaping on the plant sea sand, small pebbles, or coal-ashes, and others with a large garden pot inverted, and placed immediately over the plant stopping up the hole at the buttom; and this last is perhaps the neatest and cleanest mode next to the two by covers made on purpose, as already recommended, (page 44.)

The finest, or at least the largest sea-kale, is that which is produced from seedling plants, the first year of their flowering, as the great produce of the plant then centers in one flowering stem; afterwards

When your plants have been covered a month, or six weeks, you must examine some of them, and it complished by the aid of bricks of a peculiar shape, warm-bearted and interesting Ruth? She loved her you find that the stalks have shot up three or four for which a patent has been obtained; and by the inches, you must begin cutting; should you wait till mode of placing those bricks which are numbered mother was dear to her. Friends, country, kindred, warm-bearted and interesting Ruth? She loved her departed husband, and because she loved him his inches, you must begin cutting; should you wait till mode of placing those bricks which are numbered will come in too much at once; for in this plant there is not that succession of growth which there is in shape is attained with the greatest facility, the ciral confess I never read the story, without feeling asparagus; you may continue cutting till you see the cular form of the fluc being still preserved with many continue cutting till you see the

ture growth. As soon as they have produced what coli is liable to be entirely destroyed in severe weather, they had in store, they are only fit for the dung-hill, ther, but this plant never. If your plants have been ly, the prevention of an accumulation of soot; third-

(To be continued.)

RURAL ECCNOMY.

SMOKY CHIMNIES.

The following article is, the first moment we come across it, republished in our columns for the benefit of the people of the United States, and if on trial it answers the description, we shall think we have been the means of making known, or rather of extending spot where your plant is intended to remain; this number is directed to guard against accidents, every coveries of the times. This same secret however, was substantially known to a certain man who came here from Utica, and who after practising it with should all of them succeed, they are easily reduced success some years ago, on a few houses in town, all at once, for some unaccountable reasons, gave it up be made too hastily; during summer your bed of and left the city. If it could be brought into genecourse must be kept perfectly clear from weeds.—If, ral use among us, what a domestic blessing it would principle is capable of being applied to the tops and

> From a late London Paper. Improvements in the construction of Chimnies.

Perhaps in the construction of a house, there is no part more difficult or liable to so many objections as the formation of the chimnics, nor is there any part in which impediments to comfort so frequently arise. There are few who have not experienced the inconvenience of smoky chimnies and who have not been medy the evil. We are glad, however, to find that a scientific man has turned his attention to the subalso the most proper months for transplanting of length succeeded in suggesting a plan by which all the imperfections hitherto known to exist may be completely obviated. This plan has been submitted to the judgment of some of the best practical architects of the day, and has received their unqualified approbation; and it is now applied not only to all the chimnies erecting in the new palace in St. James' Park, but to the Post Office, and all other public buildings in progress. The public are indebted to Mr. Hiort, the Chief Examiner in his Majesty's Office of Works, for this useful invention; and this gentleman has devoted much of his time, by evening lectures, to explain to builders the advantage and simplicity of his plan, which consists in the substitution of flues or tunnels of any diameter, capable of being incorporated within the usual thickness of walls, instead of the old plan of square flues. Each flue is surrounded in every direction, from top to bottom, by cavities commencing at the back of every fire place, and connected with each other. The air confined within these cavities is, by the heat of any one fire, rendered sufficiently warm to prevent condensation within all the flues contained in the same stack of chimnies; and what renders the new invention more important is the fact that the flues may be of duty is opened to you. There is an old observation, that her mother and her daughters-in-law are leathern pipe, without, in the slightest degree, devi- natural enemies; and, in truth, I must say there is ating from the original circular form. It would be the crown of the root rammifying into many heads, a difficult, by mere verbal description, to convey an nion, there are generally, indeed almost always greater number of stalks are produced, which are adequate idea of the whole of the plan; but it is can faults on both sides. And why is this?—why need more slender but not less delicate.

The crown of the root raminisying into many neads, a difficult, by there verbal description, to control, an interest and faults on both sides. And why is this?—why need any fault proceed from you? Why not imitate a pable of being made clear to the commonest capa-city by a few minutes instruction. The work is ac-character so beautifully drawn from Scripture—the all the shoots are of a considerable length, your crop according to a model with which the workman is all were given up for the mother of him she loved. head of flowers begin to form, and if at this time thematical nicety, without the necessity of cutting a imagination, I see the beautiful Moabitess saying to you uncover it entirely, and let it proceed to that single brick, and the expense will not exceed more her mother-in-law, "Nought but death shall part thee state in which brocoli is usually cut, and use it as than four shillings a foot than is expended in the and me." If you love your husband, gentle lady, such, you will find it an excellent substitute, and the greatly enhances the value of the plant, as brotages which are secured by this plan are—first, the ly you must love the sisters of his youth!

When you have furmed your bed, which should blanched by carthing them up, you may now level ly, the impossibility of accident from fire; and fourthbe raised somewhat above the level of the ground, the carth of the beds. which will altogether supersede the painful necessity of employing climbing boys. Another advantage is also gained with respect to the appearance of the chimnies on tops of houses. The present unseemly shafts, which are frequently raised to a dangerous height, may be dispensed with and the tops or terminations of the chimnies completely hidden from view. We have seen a model and drawing of the plans, which, at once exhibit the simplicity of the invention; and the only surprise is, that so valuable an improvement in the art of building should so long have escaped the research of those who have experienced its necessity. At present, the demand for the patent bricks exceeds the power of the patentec to supply; but arrangements are making which it is hoped will enable builders to bring the plan into universal adoption. It may be proper to add, that the

IRON CASTINGS.-INQUIRY.

ITO THE EDITOR OF THE AMERICAN FARMER.

Sir.-Some years since a gentleman in this neighbourhood purchased a set of Iron Castings for a Grist Mill to go by animal power, say "a large wheel of the spur kind, 24 feet diameter (in sections) with the necessary smaller wheels," &c. As I find the wheels would answer a valuable purpose in our section of country, I have some time wished to purchase a set of them, but as I do not know where the person who sold those I have spoken of is residing at present, I am entirely at a loss where to procure them, and all my inquiries on the subject have as yet proved fruitless. I am therefore induced to take this method of inquiring among your numerous readers, where or at what foundry in the eastern or middle states can castings of the above description be pro-

An answer to the above would oblige and serve the writer and several of his neighbours. Wrightsville, Duplin Co. N. C.

LADIES' DEPARTMENT.

A WHISPER TO A NEWLY-MARRIED PAIR.

A WHISPER TO THE WIFE. [Continued from p. 37.] Chapter VII.

ON CONDUCT TOWARDS RELATIONS ACQUIRED BY MARRIAGE.

You have now, gentle lady, got among a new set too much reason for the remark. But in this disu-

and reason. Your relations-in-law have lost their sometimes shocked," says Mrs. Chapone, "with the as in their case, undisguised by the mist of too parson and their brother: in truth, gentle lady, they want of politeness by which masters and mistresses that have lost him; for when once a man is married, provoke impertinence from their servants." I rethough he may repel the charge with warmth, and member seeing a lady, who filled every station of quently found in a marriage of reason, than in an even with sincerity, adicu to the home and scenes life with honour both to her head and her heart, at union of romantic attachment, where the imaginaof his youth! adieu to the father who gave him life! tending the dying bed of an old domestic who had tion, which probably created the virtues and accom—to the mother who nursed him in her bosom!—to lived for thirty years in her service.—"How do you plishments, with which it invested the beloved obthe sisters who loved him in the fondest corner of find yourself to day, Mary?" said her mistress, tak- ject, is frequently afterwards employed in magnifytheir hearts! New objects, new connexions, new pursuits, have rivalled and "rent those ancient loves as under;" and his wife, and very frequently her joy overspread the old woman's face. "O yes!" The poor old creature said him. Is it any wonder, then, that relations in law on more; but in my mind she had, by this last sim-the light troops commanded by imagination, enjoy and a pear of the withered hand which was held out ing the mortifying consequences of its own delusion, and exasperating all the strings of disappointment. Those who follow the banners of reason are like the well disciplined battalion, which, wearing a more sober uniform, and making a less dazzling show than the light troops commanded by imagination, enjoy and a pear of the withered hand which was held out. In the mortifying consequences of its own delusion and exasperating all the strings of disappointment. Those who follow the banners of reason are like the well disciplined battalion, which, wearing a more sober uniform, and making a less dazzling show than the light troops commanded by imagination, enjoy and the withered hand which was held out. In the mortifying consequences of its own delusion. Those who follow the banners of reason are like the well disciplined battalion, which, wearing a more sober uniform, and making a less dazzling show than the light troops commanded by imagination, enjoy should look with a degree of jealousy on the woman ple word, expressed volumes of panegyric on her more safety, and even more honour, in the conflicts who lias thus alienated those affections and atten- amiable mistress. tions, which for so many years they were in the exclusive possession of?—A wife perhaps will cry out tent and reasonable; and then firmly, but mildly, inand say, "Am I to blame for all this?—am I in any sist on obedience to them. I really think that common degree in fault? Pity, indeed, my husband did not complaint: "My servants never remember what I tell keep himself single to dangle after his mother and them to do," might, in a great degree, be obviated. sisters! Pray, is not a man to leave father and Let them see that you are particular, and that you mother, and cleave to his wife?" Hush, gentle lady. will not pass over any neglect of orders; and when hush! Bear with me for a moment. I mean not to contradict you; I mean not to blame you; nay, I do by mildness, kindness, and consideration, and that not even mean to say your husband should have you are not to be disobliged with impunity, they done any thing but exactly what he did do; viz. will soon take care to remember what you commarry you. All I ask is, an effort to make yourself mand them to do. A little effort very easily remean exception to the coldness, the satire, the ill-na- dies a bad memory. ture, which too generally characterizes a daughter-in-law or sister-in-law. All I ask is, (and I am sure a compliance is not difficult,) that you will, by kindness and affection, give your husband's family reason to rejoice in the day that he first introduced you amongst them.

sisters in-law be particularly kind and considerate. You are made a happy wife at their expense, at their loss—the loss of a beloved brother. Enter into their feelings, endeavour to gain their confidence; your matronly experience qualifies you to be their adviser as well as friend. Do all you can (To be continued under the head of Management and Education by the particularly find the general spring a wing wall with the grain spring a wing wall with the general spring a wing wall to a poor servant, to be a happy wife at their expense, at it is very disheartening to a poor servant, to be and o'er the year her verdant mantle throws, no swelling inundation hides the grounds, But crystal currents glide within their bounds; The finny brood their wonted haunts forsake, be their adviser as well as friend. Do all you can (To be continued under the head of Management and Education hides the grounds, but they are the verdant mantle throws, no swelling inundation hides the grounds, But crystal currents glide within their bounds; The finny brood their wonted haunts forsake, be their adviser as well as friend. Do all you can the verdant mantle throws, no swelling inundation hides the grounds, But crystal currents glide within their bounds; The finny brood their wonted haunts forsake, be their adviser as well as friend. to make them appear to advantage, and to forward their advancement through life. As a married mo-man, much lies in your power. Should there be a favourite swain, approved of by father, mother, and prudence on all sides, remember your own feelings on a similar occasion, and take every opportunity to promote the union. Married women are sometimes extremely apt to forget girlish pursuits, hopes, and wishes, and to speak satirically of the very manner which perhaps before marriage they had themselves been remarkable for. Avoid such inconsistency, and give your sisters-in-law reason to say, "No: we have not lost our brother;-far from it; we have gained a sweet sister and friend!"

Chapter VIII.

ON THE TREATMENT OF SERVANTS.

"Next to your children," says an admired writer, them spend their Sabbath properly."

nor do they know rightly when to commend or

when to blame."

In your manner to your servants, he firm without being severe, and kind without being familiar. Never be in the habit of conversing with them, unless for life without those embarrassments which delight Judgment will tell the proper bait to choose: on business, or on some point connected with their a Darsie Latimer, or a Lydia Languish, and which improvement. But, with this reserve and distance of manner, be particularly careful to maintain kind-ness, gentleness, and respect for their feelings.— their future happiness, because their own alliance is a And, if too small, the naked fraud's in sight, their future happiness, because their own alliance is And fear forbids, while hunger does invite. Their patience is often unnecessarily exercised, and

And besides all this, listen for a moment to nature their temper wantonly irritated. "I have been intimate knowledge of each others character, seen,

Let your commands to your servants be consis-

When a servant is sick, be particularly kind and considerate to them. The poor dependant creature has nowhere else to go, no one else to turn to: and As in successive course the seasons reached has nowhere else to go, no one else to turn to: and So circling pleasures recreate the soul. sympathy.

tion of Children, &c.)

ON LOVE AND MARRIAGE,

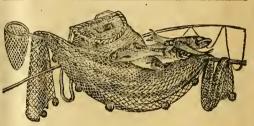
By the author of Waverly. EXTRACT.

It were judging hardly of him to suppose that the mere belief that he had attracted her affections more casily than he expected, was the cause of his un- And waters tumbling down the mountain's side, gratefully undervaluing a prize too lightly won, or Bear the loose soil into the swelling tide; that his transient passion played around his heart The soon as vernal gales begin to rise, with the flitting radiance of a wintry sunbeam flash-And drive the liquid burthen through the skies, ing against an icicle, which may brighten it for a moment, but cannot melt it. Neither of these was precisely the case; though such fickleness of disposi Upon a rising border of the brook tion might also have some influence in the change.

The truth is, perhaps, that the lover's pleasure; Nov expectation cheers his eager thought, like that of the hunter, is in the chase; and that the His bosom glows with treasures yet uncaught; "your servants are your nearest dependants: and brightest beauty loses half its merit, as the fairest Before his eyes a banquet seems to stand, to promote their good, spiritually as well as tempo-flower its perfume, when the willing hand can reach rally, is your indispensable duty. Let them always it too easily. There must be doubt—there must be Far up the stream the twisted hair he throws, rally, is your indispensable duty. Let them always it too easily. There must be doubt—there must be join your family devotions, and endeavour to make danger—there must be difficulty—and if, as the poet says, the course of ardent affection never does run When, if or chance or hunger's powerful sway smooth, it is perhaps, because, without some inter-I have heard an old domestic remark, the worst smooth, it is perhaps, because, without some intermistresses a servant ever lived with were young vening obstacle, that which is called the romantic married women. "They are unreasonable," said passion of love, in its high poetical character and coshe, "in their commands: they expect too much; louring, can hardly have an existence, any more Now, happy fisherman, now twitch the passion of love, in its high poetical character and co- And tugs and nibbles the fallacious meat: than there can be a current in a river, without the How thy rod bends! behold, the prize is thine! stream being narrowed by deep banks, or checked Cast on the bank, he dies with gasping pains, by opposing rocks.

Let not those, however, who enter into an union

SPORTING OLIO.



FISHING.

FROM RURAL SPORTS-BY GAY.

As in successive course the seasons roll, When genial Spring a living warnith bestows, Float in the sun, and skim along the lake; With frequent leap they range the shallow streams. Their silver coats reflect the dazzling beams. Now let the fisherman his toils prepare, And arm himself with every watery snare; His hooks, his lines, peruse with careful eye, Increase his tackle, and his rod re-tye.

When floating clouds their spongy fleeces drain, Troubling the streams with swift-descending rain; He lits him down, and ties the treacherous hook;

Which down the murmuring current gently flows; Now, happy fisherman, now twitch the line! And trickling blood his silver mail distains.

You must not every worm promiscuous use,

Whose polish'd tails a shining yellow stains: Cleanse them from filth, to give a tempting gloss, Cherish the sulli'd reptile race with moss; Amid the verdant bed they twine, they toil, And from their bodies wipe their native soil.

But when the Sun displays his glorious beams, And shallow rivers flow with silver streams. Then the deceit the scaly breed survey, Bask in the sun, and look into the day: You now a more delusive art must try, And tempt their hunger with the curious fly.

To frame the little animal, provide All the gay hues that wait on female pride; Let Nature guide thee! sometimes golden wire The shining bellies of the fly require; The peacock's plumes thy tackle must not fail, Nor the dear purchase of the sable's tail. Each gaudy bird some slender tribute brings, And lends the growing insect proper wings: Silks of all colours must their aid impart, And every fur promote the fisher's art. So the gay lady, with excessive care, Borrows the pride of land, of sea and air: Furs, pearls, and plumes, the glittering thing displays.

Dazzles our eyes, and easy hearts betrays. When a brisk gale against the current blows, And all the watery plain in wrinkles flows, Then let the fisherman his art repeat, Where bubbling eddies favour the deceit, If an enormous salmon chance to spy The wanton errors of the floating fly, He lifts his silver gills above the flood, And greedily sucks in th' unfaithful food; Then downward plunges with the fraudful prey, And bears with joy the little spoil away: Soon in smart pain he feels the dire mistake, Lashes the wave, and beats the foamy lake; With sudden rage he now aloft appears, And in his eye convulsive anguish bears; And now again, impatient of the wound, He rolls and wreathes his shining body round; Then headlong shoots beneath the dashing tide, The trembling fins the boiling wave divide. Now hope exalts the fisher's beating heart, Now he turns pale, and fears his dubious art; He views the tumbling fish with longing eyes, While the line stretches with th' unwieldy prize; Each motion humours with his steady hands, And one slight hair the mighty bulk commands; Till, tir'd at last, despoil'd of all his strength, The game athwart the stream unfolds his length. He now, with pleasure, views the gasping prize Gnash his sharp teeth, and roll his blood-shot eyes; Then draws him to the shore, with artful care, And lifts his nostrils in the sickening air: Upon the burthen'd stream he floating lies, Stretches his quivering fins, and gasping dies.

MANAGEMENT OF COLTS INTENDED FOR THE TURK. Extract from W. R. Johnson, Esq., to the Editor of the American Farmer.

"I keep my colts tolerably fat, though not overloaded with flesh-turn them out in good weather, and keep them up in bad-taking care not to let

MISCELLANFOUS.

DIRECTIONS FOR THE USE OF ANTHRA CITE.

> [From the New York American.] CHAPTER I .- Of Buying and Breaking.

1. Buy from the vessel, if possible; for a chaldron there is more than at the yard.

put into the cart, for a cart of very large pieces, that is done should the blower be applied.

when broken up, makes a cart and a quarter of small ones.

3. Refuse a load that appears to contain dust, because Lehigh dust is clear waste, and enough in all conscience is made in the breaking.

4. Break the COAL before housing it, unless you would have to break it yourself at the risk of either

5. Do not take a man from the yard with his pa-tent hammer, to break your COAL for you, unless you would pay twice what the job is worth, and

6. In breaking, see that each piece is broken by itself on the pavement, and not as is usual, on the his reach. mass, unless you wish to burn half the COAL as

powder.

7. Let the pieces into which it is broken he about

the size of a half pint tumbler.

8. Watch the fellow who breaks, or he will not the mass—or he will take care to wet it all in the position of pieces, as in fires of Liverpool. gutter before he takes it up.

CHAPTER II .- Of the Kindling.

1. This is a great mystery, therefore proceed with caution and with a mind divested of all prejudice.

2. Let the grate be perfectly cleared of all foreign substances, and begin the fire at the bottom.

3. The best material for kindling is dry hickory. The cheapest method is this; buy a load of dry hickory, stipulate that it shall be large, have it sawed three times—the wood now will be in chunks, hlow it up to a generous heat; then gradually add split it up as fast as wanted, and no faster.

4. Having got the kindling proceed to the grate. Throw into it first live coals from the kitchen, then lay on the hickory, be not too sparing, then place distress, and by their stupid use of it, double their loosely, and with the fingers, fair pieces of Schuylkill, Lehigh, or Rhode Island of the orthodox size. I advise the use of the fingers, because the work is done quicker than with the tongs, from which the Schuylkill perpetually slips. Let the COAL be piled as high as the grate will allow.

5 If the process of kindling fails, begin all over again. Failure most frequently proceeds from stinginess in the material of kindling. Better be pro-digal of it than have the fire go out, and the grate all disembowelled a second time. Horresco refer-

(I shudder while I mention it.)

6. The fire heing now well under way, it will need to be fed but three times during the day and evening. The first replenishing should take place immediately after breakfast, when the family break up-the gentlemen retreating to the counting room, office, or study, and the ladies to their dressing the third, a little in the evening.

7. If my readers are willing to be truly economical, let them replenish a fourth time. viz. at going to bed—which I call the perpetuating process. Since, if it be done properly, the fire need be kindled but once during the whole winter, say on the 1st day of November, and thus an immense amount

of kindling matter be saved.

8 The method of perpetuating is exceedingly simple, and consists merely in adding a few pieces the horse colts smell or sec other horses more than of COAL, at 11 o'clock say, and then covering the can be well avoided." can bear. In the morning all you have to do is to clap on the blower, and presto, the fire is before always been comfortable at breakfast.

9. Let not the ladies murmur: the grate can still be cleaned. When the servant first approaches the the fire to be there; and the brass can therefore be you can burn every atom.

2. Stand by and see that large pieces only are polished without the least hindrance.—And not till

2. The blower should, q

CHAPTER III - Of the Poker.

1. A judicious use of the poker is essential to the well being of an anthracite fire. This is the most delicate part of the science of COAL burning, and the strictest attention should be given to it. So nice a matter is this, that I am almost ready to say. that I can form my opinion of a man's intellect from his application of the poker, as well as from his pleading, preaching or physicking.

2. An ignorant, a meddlesome, or nervous person, you would pay twice what the job is worth, and what a dozen, in less than five minutes after the COAL is dumped, will offer to do it for.

6 In hypothium, see that each piece is broken by ticularly, the poker should always be kept out of

3. The legitimate office of the poker, in the case of a hard coal fire, is to clear away the ashes which accumulate on the lower bars, and promote a free circulation of air. Not to quicken the blaze by breaking a large coal in pieces, or by changing the

4. A fire should be poked when at its zenith; if you wait till it is much below that, your poking will only poke it out; the more you poke the less it will

burn.

5. If the fire from having been too long neglected, appear to be in a doubtful state, hesitating between life and death-never touch a poker to it; it will be the death of it; never stir it; scarce look or breathe upon it-but with the step of a ghost, clap on the blower, and if the vital spark be not wholly extinct, the air will find it out and in a few moments fresh coal in small clean pieces, devoid of dust, and your fire is safe. Servants never learn this mystery; they always fly to the poker in every case of own labour and vex the mistress of the house.

6. This direction should be particularly observed in the morning, when a fire has been perpetuated. No coal should be added nor the fire fouched, till after the blower has been up and done its work. It will often he found, especially in the case of the Schuylkill coal, (far preferable to Lehigh,)—that this alone will furnish a sufficient heat for the breakfast hour; which is a demonstration that it is no waste, but a clear saving, to perpetuate the fire in

the manner laid down.

7. Many more niceties might be enumerated touching the poker; but I refrain, and willingly leave something to the imagination of the reader. I would conclude, as the preachers say, with only one practical remark-that you will never have a good anthracite fire, till you have broken your husband, brother or wife, of the mischievous habit of poking. rooms; the second, about an hour before dinner; It is surely an unseemly habit in itself, as well as an injurious one to the fire. It shows, too, a meddlesome, prying, insinuating disposition; and I can never help thinking, when I see one of this sort poking the coals, that he only wants the opportunity to thrust himself into my private affairs.

CHAPTER IV .- Containing Miscellanies.

1. If the Saving Bank is a good thing in Wallstreet, it is a better thing in our houses. If we save at home, we need not put our money there; we shall be rich enough without money at interest. We waste in nothing more than in the use of hard coal. i.e. till you have shovelled up as much as the grate The cinders which I see every day lying in the streets, nay before my own door, would, if gatherclap on the blower, and presto, the fire is before ed up, afford fuel to many a poor family; yet I con-you, red hot. Following this plan, my parlour has fess that I cannot perceive how the evil is to be remedied. The cinders get so mingled with the ashes, that it is difficult to separate them, and servants will not do it. But till a way is discovered of savgrate in the morning, every thing is calm, quiet, ing them, a Schuylkill may be a clean and hot fire, slumbering, and cool—you would hardly believe but it will not be a cheap one. Of Liverpool coal

2. The blower should, questionless, be the size of the whole grate. But it should be used with discretion.

3. As to the forms of grates, I think on the whole that the Lehigh grate with horizontal front bars, and rake ones for the bottom, possesses the greatest advantages. There is the greatest objection to one of the common Liverpool construction, which is, that the floor of it, the bottom bars, are altogether too thickly set. The ashes cannot fall through, but collect upon them, deaden and finally extinguish the fire, while the coal is not half consumed. In order to keep the fire agoing at all, there must be a very frequent clearing away of the ashes with the poker. A practice to be deprecated, as it tends to generate the worst habits. An Amateur.

THE FARMER.

BALTIMORE, FRIDAY, APRIL 28, 1826.

MARYLAND AGRICULTURAL SOCIETY.

Thursday, April 20th, 1826.

A meeting of the Trustees was this day held at Hayfield, Colonel Bosley's-present, G. Howard, chairman pro tem.; Col. Bosley, James Carroll, Jr., Dr. A. Thomas, J. B. Morris, J. Gittings; James Cox, treasurer; J. S. Skinner, correspidg secretary.

The Board proceeded to the appointment of

Judges to award the premiums at the next Cattle

Show, viz:

` £0	w Crops.
Dr. Stockett,	Samuel Stone,
C. W. Dorsey,	Charles Sewall,
L. Dennis,	E. F. Chambers,
J. R. Dall,	Francis Hall.
John Contee,	

Horses and Mares. Samuel Hollingsworth, Robert Lyon, Edward Hambleton,

John Edmonson, C. S. Ridgely, Henry Hall, An. Ar. co. Asses and Mulcs.

H. M. Steel, G. Beltzhoover, Wm. II. Fitzhugh,

John O'Donnell, John Hunter, T. Snowden, Jr. Cattle.

Nicholas Goldsborough Samuel Owings, Frisby Tilghman, John B. Willis,

Christopher Carnan, William Gibson, Dr. John Dare. James Hood. Swine.

T. B. Dorsey, John McGaw, Samuel Brown, John Stone,

Samuel W. Smith, John Beckett, N. Martin.

Sheep and Wool.

Edward Lloyd, Robert W. Bowie, John Mercer, J. Sykes, Jr. Colonel Emory, S. Hollingsworth, Jr.

Domestic Manufactures.

General J. Mason, Daniel Murray, Edward Gray, George Hoffman, John C. Wilson, Jr. John Ferguson, Charles county, Samuel Stevens, R. Spencer.

Implements of Husbandry. Tench Tilghman, Daniel Martin. Philemon Chew, Daniel Kent, Virgil Maxcy Thomas Ellicott.

Richard Crabb, Fermented Liquors. Joseph Gales, Jr. Wm. Lorman, John G. Proud, Richard Dorsey,

Butter and Cheese.

General Harwood, Herman Stump, C. Carroll of C., Jr.

Robert Goldsborough, Roger Brooke, Thomas Snowden, B. F. Mackall,

Wm. Riggin, Gwynn Harris, Samuel T. Kennard,

Plous	thing.
Daniel Jenifer,	Caleb Dorscy, Jr.
Allen Dorsey,	N. Thomas,
Col. Maynadier,	John Marsh,
Thomas Hood,	B. Bracker.
Exper	iments
Dr. Muse,	John Lec,
Com. Jacob Jones,	Levin Gale,
H. G. S. Key,	James Chamberlain,

The premiums heretofore offered for Cows were altered so as to bestow-

Dr. Duvall.

A premium of \$15 for the best Cow, particular 10 "2d best do. as
5 "3d best do. published. Do. And for best Heifer, \$10. 2d best do.

It was unanimously resolved, That the voluntee premium so liberally and handsomely placed at the disposal of the Trustees by Mr. Jose Sylvester REBELLO, Minister from Brazil, to consist of a sil ver cup valued at \$20, be presented to the owner of the Ram, which, being shorn upon the ground shall yield the greatest weight of picklock* wool the conditon of the fleece as to cleanliness being taken into consideration.

JAMES HOWARD, Secretary.

* That is, the finest wool.

G. C. Washington,

† Gentlemen who may be disposed to contend for this premium, are requested to give notice to the Editor of the American Farmer as early as convenient; and it has been suggested that the competitors should make up a sum sufficient to provide a match for the volunteer premium, to be taken by the victor.

GARRICK.

An imported full bred Devon Bull, will stand this spring at the first Toll Gate, on the Baltimore and Har ford Turnpike road, two miles from the city, and be let to Cows at five dollars each, the money, in every in stance, to be sent with the Cows, and for which a war ranty is given.

Garrick was purchased from the celebrated stock o Mr. Childes, near Bewdley, Worcestershire, who has for several years been the most extensive and success ful breeder of North Devon cattle in England, and Garrick was acknowledged to be his best yearling at the public sale in September, 1824. He was by Prize out of Fill Pail, as per catalogue and pedigree, which accompanied him.

Garrick took the highest prize at Easton Cattle Show last fall; he is now in fine order, and pronounced by all who have seen him, to be a very superior animal, and the heaviest of his age in this country, being only two and an half years old, and actually weighs 1484 pounds.

JOHN BROWN, Gate Keeper.

N. B. Applications having been made from different parts of the country for the services of Garrick, and his stock being now well established, he will be offered for sale (if not previously engaged,) at the approach-ing Cattle Show in June next—at which time some young full bred Devons, (warranted pure blood,) may also be obtained. If further particulars are required, apply as above, per mail, post paid.

April 28, 1826.

[27-For fineness of bone, compactness of form, and more especially for rich yellowness of skin, which is one of the strongest signs of superiority in this race of animals, Mr. Thompson's Bull is highly distinguished. [Eo. Am. FARM.]

CONTENTS OF THIS NUMBER.

On the manufacture of Butter and Cheese, by S. De Witt, Esq., of Albany—On the Art of Breeding—On the Culture of Chicory Grass—Sale of Saxony Sheep in Albany-Directions for cultivating the Crambe Maritima, or Sea-Kale, for the lable-Improvements in the construction of Chimnies, to prevent their smoking—Iron Castings, inquiry—Whisper to a Newly-married Pair, continued—Extract on Love and Marriage, by the author of Waverly—Poetry, Rural Sports, by Gay—Management of Colts intended for the Turf—Directions for the use of Anthracite, Coal—Maryland Agricultural Society, Judges for next Gattle Show—Advertisement.

PRICES CURRENT.										
	ARTICIPS	200	W	HOL	ES	ALE	-	RE	TA	IL.
	ARTICLES.	per	11	om	1	to	f	.011	1	to
	BEEF, Baltimore Prime		. 3							
	BACON, and Hams, BEES-WAX, Am. yellow	lh.		39			8 9	4.	1	
	COFFEE, Java,			17		3		2:		50 25
	Havana	 _	1	18		•		1		20
	COTTON, Louisiana, &c.	-		14		13			1	
e	Georgia Upland,	-		11	1	12	1			
Ĭ	COTTON YARN, No. 10, An advance of 1 cent			33			1			
'S	each number to No. 18.						1			
_	CANDLES, Mould,	-		12				14	1	16
	Dipt,	-		10	4		1		j	123
	CHEESE, FEATHERS, Live,			8 31		35	3	3		15
	FISH, Herrings, Sus.	bbl.	2	50		٥.		J	1	
r	Shad, trimmed,	-	6	50			8		1.	
c	FLAXSEED, Rough,	bush	(75	1		1_	87		
R	FLOUR, Superfine, city,	bbl.	4	00	4	25	5	00		6 00
l- -	Sucanobonno sunon6		4				4	25		
r	FLAX,	lb.		9	1	11	1			
l,	GUNPOWDER, Balti	25 lb		00			5	50	1	
g G	GRAIN, Indian Corn, .	bush		68 80		70				
0	Wheat, Family Flour, do. Lawler,			65		85 70				
	do. Red,	_		30		83				
-	Rye,	-	}	65		70			1	
S	Barley,	 bush	2	80 221		25	1.			
f	Clover Seed, Red Ruta Baga Seed,	lb.	1	87를	4	20	4	75		
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e	Mangel Wurtzel Seed,		1	25			1	50		
r	Timothy Seed,	<u> </u>	2	25			3	06	1	
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-	HOPS,	lb.		24		0.1		37		
е	LEAD, Pig	1b.		61		Si				
	Bar	10.		71		•				
Ī	LEATHER, Soal, best,	_		24		25		62		
ſ	MOLASSES, sugar-house	gal.		45 28		oe 1		821 821		75
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	NAVAL STORES, Tar,	bhl.	1	25						
e	Pitch,	-	2	25						
t	Turpentine, Soft,		1	50 30		01		40		
-	OIL, Whale, common, . Spermaceti, winter .	gal.		68		31 70	{	88		
v	PORK, Baltimore Mess,	bbl	11	00	12	00				
1	do. Prime	_	8	30	9	00				
1	PLASTER, cargo price,	ton.	4	75						
2	RICE, fresh,	bbl.	1	50		34		5		6
•	SOAP, Baltimore White,	lb.		12		14		15		20
t	Brown and yellow,	_		51		71		8		12
d	WHISKEY, 1st proof, .	gal.		28		29	1	38 25		50
d	PEACII BRANDY, 4th pr APPLE BRANDY, 1st pr			75 36	1	37		50		
e e	SUGARS, Havana White,			50		- 1	15		16	
y	do. Brown,	-	9	00	9	50				
,	Louisiana,	-		75	9	50	10	20	11	00
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	Lisbon,	-	1	15	_			50	1	75
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SKINNER, Editor, by John D. Tor, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

ON THE MANUFACTURE OF BUTTER AND CHEESE.

By S. De Witt, Esq., of Albany.

(From the 3d [last and best] vol. of the Memoirs of the Board of Agriculture of the State of New York.)

[EXTRACT.]

(Concluded from p. 42.)

The art of making good butter is well known, but people generally will not practice it; and for such it is useless to publish any improvements. In order to be wise, it is necessary to know both good and evil. It will, therefore, not be amiss to say something about the art of making bad butter. Although this is generally known, and almost universally practised, still I know some who are yet unacquainted with it; and it is to put them on their guard, as well as to reform others, that I make this communication.

In the first place, then, after your churn and sure not to scald them, for hot water will deprive them of the oily substance that will adhere to them, be faithfully exposed, and duly attended to. and soon acquire a strong, rancid flavour and taste, which will impregnate every succeeding batch, in bread. Secondly, keep collecting your cream into one vessel, day after day, until it has made some progress in putrefaction, then churn it, and the business is done. You may work it, and season it, as you please, afterwards, but its constitution is unalterable. The principal quality of which will be a tendency soon to become unfit for any use whatever, in any article of food. When butter is thus made, it will be often beautified with a variety of colours, and possess a rapidly increasing rancidity, which may be agreeable enough to those who have been brought up with it from their infancy, but inis very properly condemned as fit only for hogs. No wonder, then, that buttermilk is abhorred in those parts of our country where such is the me- the manufacture of butter and cheese. thod of making it, and no other is known.

Their strainers, churns, creaming vessels, bowls and ladles are, as often as they are used, washed, scalded and scrubbed,* and the milk rooms, which mer months. are commonly dry, airy cellars, without wooden floors, are kept free from every thing in the least offensive. The milk is carefully strained, and as with the cream, is emptied into the churn, when the churning is immediately commenced, and continued, with short intervals, till the butter is come. The butter is then taken off with a ladle made for the purpose, and kept exclusively for the service, and put into a large wooden bowl, where, with the same ladle, the whey, or rather buttermilk, is tho-roughly wurked out of it. No hand or finger is ever suffered to come in contact with it. Where dairies are any way considerable, churning is a daily operation, and done early in the morning, especially in summer.

There is a period when cream will be completely it will deteriorate, and should not be suffered to remain unchurned. Inattention to this is one of the principal causes of the bad quality of butter.

In this manner, is not only the best butter, but

affording an excellent beverage, makes, with the churning, which must be always uniform and conaddition of a little sugar or mulasses, and rusk or tinual, communicates a slight degree of heat, which good bread broken in it, a dish to crown the far- would give a disagreeable taste to the butter, if the mer's dinner, more refreshing and more exquisitely cream were churned alone; while churning the relished than the strawberry-flavoured icc creams whole together, the acidity of the whey tempers of the luxurious rich.

There are yet a few, and it is sadly to be lamented, yet but a few, farmers left in the country surrounding Albany, who manage their dairies in this manner: but their butter is mostly all pre-engaged, at twenty-five cents per pound, by their oldentime globules of butter beginning to form, do not fail to acquaintances, who cannot help recoiling at the throw into the churn (by the hole of the churn sight and smell of what is generally brought to our market, and with difficulty sold for eighteen cents. pints of spring water every ten minutes; that is, a This fact, it is true, is not very creditable to our country; but it is, notwithstanding a fact. Every on the contrary, they add warm water; but they citizen knows that it is extremely difficult, in Albany, for a family to get a supply of eatable butter, to accelerate the slight degree of heat necessary But where the object is to cure an evil, it is neces- for the formation of butter; but when they perceive sary that it should be pointed out and correctly described, whatever effect such a procedure may have staff, then they cease pouring warm water, and the on the feelings, reputation or interest of those whom temperature warns them putting any more cool it may immediately concern. Such things affect the general interest as well as the character of our left. Thus, to make butter it is required—the general interest as well as the character of our left. That milk must have curdled and sourced, other vessels, have been used in making butter, be the general interest as well as the character of our country, and therefore it is proper that they should but not fermented.

well understood in the vicinity of Boston; and yet the same manner that leaven does in the making of there is no market in any of the large capital cities in the United States, so noted for the bad quality of its lump-butter, as this very town of Boston. Philadelphia has long been celebrated for the uniform excellence of its butter, and its clean and always uniform, avoiding to strike the bottom of the wholesome appearance in the market. In New churn. York, many individuals with laudable liberality, quality of the article.

It deserves consideration, whether our Agricul- churning motion. tural Society, alive as they are to every thing sufferable to others. And the buttermilk, thus made, which will benefit our reputation, and whilst they are granting premiums for raising best cattle for with spring water, if in summer, for in winter it is dairies, should not also bestow some attention on not necessary.

It is useless to possess good cows and good milk, In the counties of Ulster and Orange, celebrated if the butter which is brought to market, is only a for the excellence of their butter, in the New York disgrace to the farmers. We hope the Massachu-dled milk twelve or fifteen hours, more or less, acmarket, the utmost attention is paid to cleanliness. setts Agricultural Society may be induced to offer a cording to the relative quantity, before beginning to premium for the best butter which may be brought churn, in order that the part of sweet milk you to market, by any individual dairy during the sum- have added be entirely curdled.

scon as the cream is completely formed, it, together three parts, essentially different from each other; hours churning to have your butter made.

1st. The aqueous part, called whey, which is very

2d. The cheese part, which is substantial.

3d. The butter part called cream, of an oily nature, and which comes up naturally to the surface of the milk, even before its decomposition.

It is this cream that is turned out into butter by churning.

In order to make good butter, the decomposition tation.

pour a little sour milk into it, to make it coagulate. ing and relishing it.

Though the cream is the elementary part of butter, and neither the whey nor the cheese part con- box spoon, which must be impregnated, and also tain any of it, yet it is necessary to throw into the the dish, with some light brine, to prevent the batchurn the three parts of the milk, and to churn ter from adhering.

also the best buttermilk, obtained; which, besides them altogether. The reason of it is evident. The the heating effects of the churning, the cheese part helps the separation, and the butter comes fresh out of the churn.

It is to preserve the fresh taste, that in summer our butter women, as soon as they see the small staff, and without stopping the churning,) some the first butter globules forming round the churn-

2d. That milk must have naturally soured, with-The making of butter, one would suppose, were out any help but a little quantity of sour milk, and especially without warming it.

3d. That all milk should be put into the churn together, and churned without extracting any parts

5th. That churning, without interruption, comrecently awarded premiums for the best butter municates to the milk a slight degree of heat, which brought into that city for sale; which, it is said, has is necessary, and which in winter may be acceleratproduced an obviously good effect in the general ed, by adding some warm water from the moment one begins to churn, and without stopping the

6th. As soon as one perceives the little globules of butter forming, one must then think only to cool,

7th. If, when one wishes to churn, one has some sweet milk not yet sour, but which one wishes to churn, it must be put into the churn with the cur-

8th. This mode is, no doubt, much longer than Mode of making butter, as it is practiced in the when the cream alone is churned; for one must neighbourhood of Rennis, in Brittany, where the churn during about two hours in the most favourabest butter in France is made-milk is composed of ble season, and it is common in winter to take four

Preparation for Bulter.

When the butter is made, if the weather is hot, it is well, after having gathered it in the churn, to let it cool about two hours; but when it is very hot weather, as that time is not sufficient to cool it, it is well to put it in a very cool place during some hours, till it is very firm, in order to extract the buttermilk out of it.

It is by kneading and turning repeatedly with a of milk must have begun; I mean its three parts wooden box spoon, and a beach dish made of one must be exactly separated, as it happens when it piece, that the women about Rennis extract the butbegins to turn sour. Milk must necessarily be sour termilk; leaving it now and then to rest and grow formed, and be in its highest perfection; after which before beginning to churn; but it is urgent to churn hard, and then beginning again, till it does not yield it as soon as it is sour; and not to wait its fermen- any buttermilk; it is only in the last extremity, and in the hot days of summer, that they knead it in It must have curdled and soured of itself without cool water in order to extract the buttermilk out of fire. In the winter season, however, it is proper to it: they put nothing in it, but some salt for preserv-

They never touch the butter but with the wooden

No. 7. - Vol. 8.

^{*} The scrubbing is done with a small broom, made of a black ash or hickory sapling, after the Indian manner; the body of it is two and a half or three inches thick, and about four inches long; the handle five or six. It

is called a boonder.

fully washed with boiling water every time they have been made use of, then washed again with water and exposed to the sun, that they do not the seeds of the long warty squash, which have between rows of the larger and earlier kinds of get a musty smell. It is necessary to remove from been kept on the farm ever since, without changing, corn, which produced a mixture to advantage; then the dairy all the disagreeable or strong smells, and and are now far preferable to what they were at I saved seed from stalks that produced the greatest to observe the most scrupulous cleanliness in it, but first. Our early peas were procured from London, number of the largest ears, and first ripe, which I without humidity, which would give a mouldy taste the spring before Braddock's defeat, (1756,) and planted the ensuing season, and was not a little

sour milk, and none of the utensils employed should the largest stalks, I have improved it greatly. be, or have been put to any other uses, for fear of spoiling the whole.

ON THE CHANGING OF SEED.

Change of Seed not necessary to prevent degeneracy; Naturalization of Plants; important caulion to secure permanent good quality of Plants. By Joseph Cooper, of Gloucester county, New Jersey.

(From Memoirs of Pennsylvania Agric. Society.)

United States, and in Europe, and has deservedly excited very general attention. The writer is entitled to every degree of respect, both for his practical knowledge, and integrity of relation. His experience and opinions differ widely from those both sides of a question, in which agriculturists are highly interested, might fairly appear, the society have thought it right to add to their memoirs, this developement of the practice and success of the writer. And this, not with a view to promote controversy, but to encourage and invite candid interested. I observed the woman selling such as the production; the potatoes, I observed the woman selling such as the other is taking cars which have riseased at the other is taking cars which have riseased at the other is taking cars which have riseased at the other is taking cars which have riseased at the other is taking cars which have riseased at the other is taking cars which have riseased at the other is taking cars which have riseased at the other is taking cars which have riseased at the other is taking cars which have riseased at the other is taking cars which have riseased at the other is taking cars which have riseased at the other is taking cars which have riseased at the other is taking cars which have riseased at the other is taking cars which have riseased at the other is taking cars which have riseased at the other is taking cars which have riseased at the other is taking cars which have riseased at the other is taking the cars from the crib or heap, is attended with two disadvantages; one is, the other is taking the cars from the crib or heap, is attended with two disadvantages; one is, the other is taking the cars of the best crop. The common method of saving the cars from the crib or heap, is at the best crop. The common method of saving the cars from the crib or heap, is at the best crop. The common method of saving the cars from the crib or heap. merit of Mr. Cooper is therefore the greater. That quiry:

Cooper's Point, April 17th, 1799.

Respected Friend,

of life which obliged me to procure a living by in-dustry, and that principally in the agricultural line, be good for nothing. Query—if he had used the letter, were of superior quality: knowing that seed it has caused nie to be a strict observer of the same means in selecting his potatoes for planting, works of nature, with respect to such parts of the as I did, whether he would have profited by changvegetable creation as have come under my particuling with one who used the other method? lar notice, and have been greatly embarrassed at In discoursing with a friend, who lived at a the opinion very generally entertained by farmers great distance from me, on the above subject, and gardeners, that changing seeds, roots and he mentioned a fact in favour of changing seed, leaved seed plants, to distant places, or different soils or cli-Some radish seed which he had from me, produced from those first ripe; and by continuing that pracmates, is beneficial to agriculture; such opinion not radishes preferable to any thing of the kind ever agreeing with my 'observations or practice. This seen in that neighbourhood, which was near 100 induced me to make many experiments on that miles distant: but in two or three years the radishes.

Many admit they became as carly water melons as I ever had.

Many admit they became as carly water melons as I ever had. head, all of which, in more than forty years' prac- degenerated, so as to be no better than what he tice, have operated to prove to my satisfaction, that had before. I asked his method of saving his seed. the above opinion is not well founded; and if so, He said he had no other radishes in his garden, and must be extremely prejudicial to agriculture, as it when they had pulled what was fit for use, let the appears to me one great object, viz. that of select- As soon as the radishes are fit for use, I dig up ten other vegetables. For many year in the soil which he cultivates.

has so constructed that wonderful machine, if I may lead the expression, as to incline every kind of soil and climate to naturalize all kinds of vegetables, that it will produce at any rate, the better which were not larger than goose shot; he informed degenerate.* to suit them, if the agriculturists will do their part me by a note that they were originally from Guinea,

All the utensils employed for milk must be care-ments, out of a great number, which have all com- to answer the description, but the ears were small. bined to prove the above, to my satisfaction.

The churn is made of chestnut wood; it is scalded ed every time it is emptied to churn again; it is rubbed with a bunch of bollyoak, that scratches and first obtained.

The seed of our asparagus was proplante ever since, selecting that designed for seed in cleans it well, and then washed again with cold cured from New York, in the year 1752, and since the manner I would wish others to try, viz: When that time I have not planted a seed, except what the first ears are ripe enough for seed, gather a suf-

every kind degenerate, at which I am not surprised, next year, having particular care to take it from when the most proper means to produce that effect stalks that are large at bottom, of a regular taper, is constantly practiced; to wit, using or selling the not over tall, the ears set low, and containing the best, and planting the refuse; by which means, al- greatest number of good sizeable ears, of the best most the whole of those planted are the produce of quality; let it dry speedily, and from this corn, plants the most degenerated. This consideration plant your main crop; and if any hills should miss, induced me to try an opposite method. Having replant from that first gathered, which will cause often observed that some plants or vines produced the crop to ripen more regularly than is common: potatoes larger, better shaped, and in greater abun-this is a great benefit. The following paper on several important agricultural subjects, has already been published in the quantity from such only, for planting the ensuing improved the quality of my crops, beyond the exseason, and I was highly gratified in finding their production exceed that of the others, of the same periment. The distance of planting corn, and the kind, planted at the same time, and with every number of grains in a hill, are matters many differ equal advantage, beyond my expectation, in size, in. Perhaps different soils may require a difference generally received. The results produced, require shape, and quantity; by continuing the practice, I in both these respects; but in every kind of soil I the care and attention which few will give. The all the additional trouble.

the potatoes, I observed the woman selling such as the other is, taking ears which have ripened at dif-I had brought for her; when the boy came, I asked ferent times, which causes the production to do the him the reason they wanted potatoes for seed, while same. they were selling their own. His answer was, that Kind Providence having placed me in a situation his father said, if they did not get seed from me, happened by Col. Matlack sending some water me-

turns the attention of the husbandman from what others go to seed. I then told him my method, viz. such vegetables as come to the greatest perfection, lour, shape, &c. and plant them at least 100 yds. from where any others bloom at the time they do; this, I What induced me to make experiments on the informed him, was the best method I knew of to better quality than the rest; a practice, which I am subject, was, my observing that all kinds of vege-improve any kind of vegetables, varying the pro-satisfied has been of great use; and I am fully of tables were continually varying in their growth, cess agreeably to their nature. I asked him if he quality, production, and time of maturity. This thought I should be henefitted by exchanging with led me to believe that the great author of nature, him? His answer was, he believed I was the best

and few of them ripened before frost. I saved In or about the year 1746, my father procured some of the largest and earliest, and planted them The pots and churn must keep no smell of the grew on my beds; and by selecting the seed, from ficient quantity for early corn, or for replanting, our milk, and none of the utensils employed should the largest stalks, I have improved it greatly. A complaint is very general, that potatoes of rally, gather a sufficient quantity for planting the

each way, as nearly at right angles as may be, and

A striking instance of plants being naturalized, from vegetables, which had grown in more southern climates, required a longer summer than what grew here, I gave them the most favourable situation, and used glasses to bring them forward, yet very

from the fact of foreign flax seed producing the best flax in Ireland; but when it is considered that it is the bark of the stalk only that is used in Ireland, and that this is in the best perfection before the seed ripens, the argument fails when applied to

For many years past, I have renewed the whole seed of my winter grain, from a single plant which I have observed to be more productive, and of of vegetables are not in bloom at the same time, In or about the year 1772, a friend sent me a few near together, as by this bad practice, they mix and

* The above remark of an observant, practical agriin selecting the most proper seed. In support of and produced from eight to ten ears on a stock. culturist, has so often been confirmed by the observa-

is safe and easy,! hope it will induce persons of more leisure, ability, and observation than myself, Maher in cutting from one-year-old plants; but the to make trial, as a mean of improving the agricul- reasons he gives for the practice are important, viz. ture of our country.

Such is the sincere wish of thy friend, JOSEPH COOPER.

MORTICULTURE.

Directions for cultivating the Crambe Maritima, or on Pasture Grasses, and a variety of works on gardening, Se.

(Concluded from Am. Farmer, p. 45.)

The following are the essential particulars of the mode of culture pursued by Mr. Maher, already mentioned. Prepare the ground in December or January, by trenching it two spits deep; and if the soil is not naturally free and light at the bottom, render it so by sand, vegetable mould, and underdraining. Then divide the plat into beds four feet wide, with eighteen-inch alleys between them; this done, at the distance of every two feet each way, sow five or six seeds, two inches apart, in a circle of about four inches diameter: this operation must be performed with the utmost exactness, bearing in mind that each circle or stool of plants, is afterwards to be covered with a blanching pot, (fig. 1, or fig. 2.) In the following May, or June, the plants will appear, and as soon as they have made, three or four leaves are to be thinned out to three, as regularly placed as possible: Water, if the season be dry; and pick off all insects by hand the moment they appear. Trust to no nostrums or quackeries; but apply the finger and thumb the moment you see the turnip-fly or wire-worm begin to attack them. Cover the beds with earth, sand, and leaves, to the depth of 3 inches in November, and lay over that covering 6 inches of littery dung.

In the spring of the second year, when the plants are beginning to push, rake off the stable litter, and add a little fresh loam and sand. Abstain from outting, and dress in November as before.

'The third season, a little before the plants begin to stir, rake off the winter covering, laying on an inch of pure dry sand or fine gravel. Then cover each stool of plants with one of the blanching pots (fig. 1,) pressing it very firmly into the ground, so as to exclude all light and air; noting this particularly, that both the colour and flavour of sea-kale

accuracy. The fact is one of the most powerful proofs of the sexual doctrine of plants, and is strongly confirmed by the familiar example of the certain degeneracy of squashes and pumpkins, if grown near gourds; the latter even communicate an emetic quality to their neighbours. In like manner, melons will degenerate if planted near squashes or pumpkins. A case is record-wish to cut shoots for the table, begin to prepare drills of twenty yards each, by covering with hot ed in the law reports, of an action which was brought the plants fur forcing, and to ferment a sufficient dung. He finds two frames, of three lights each, against a gardener near London, in the reign of Charles It for selling cabbage seed instead of cauliflower seed. On trial it appeared, that both had been planted near each other, by the purchaser; and to this error, the gardener contended that the degeneracy of the true tups of the roots, spread fresh light earth, mixthe gardener contended that the degeneracy of the true of with drift-sand or coal-ashes, two or three inchseed which he had sold, was owing. But he lost his ed with drift-sand or coal-ashes, two or three incheases in consequence of the prevailing ignorance of es in depth. When the dung is well prepared, W. Gibbs, of Inverness, (Caled. Mem. vol. i. p.

knowledge, as well as to mere professional acquirements. In an agricultural country, it is peculiarly in-

Mr. Barton, already mentioned, differs from Mr.

means, may have it produced for a much longer peirections for cultivating the Crambe Maritima, or necessary than to place over each plant a large sea-Kale, for the use of the table. By William pot, as in one of the modes of blanching already curtis, author of the Flora Londinensis, Treatise recommended, and cover the pots with long dung to force." a considerable thickness; the heat of the dung brings forward the plant, while the pot keeps it Maher observes, is to be very particular in guardfrom coming in contact with the dung itself; and ing against too much heat, using trial-sticks, and as the growth of the plant is by this means greatly never, if possible, exceeding 55°. So much misaccelerated; it is of course rendered more tender, chief ensues when this is violent, that it is far betas well as sweeter.

You may begin forcing this plant by the beginning of December, and at the same time that you with dry sea-coal ashes, sifted neither very small use horse dung, which has a considerable degree nor very large. These are the best remedy against of heat in it, for forcing some of your plants, you worms, which, after forcing is commenced, often may cover over a part of your others with what spring up on the surface, and spoil the delicacy of the gardeners term mulsh, that kind of horse dung the young shoots. Salt, he adds, also effectually or litter which is little better than straw; this, if it destroys worms, and will not injure sea-kale. only preserves the plants from cold, will greatly forward their growth; and thus, by a judicious application of forcing, you may have sea-kale in perfeetion from Christmas to Whitsuntide.

experience has sanctioned; but we apprehend much Maher says, after the sea-kale is gathered, the dung labour and expense may be saved by adopting a will be found in the finest possible state for spring ticed on a large scale, by bringing the plants lit for shoots, remove the litter and the covers, and dress that purpose into a smaller compass; that is, by the ground, in order, as observed by Maher, that taking up at the approach of winter the roots of their leaves may be suffered to grow, and acquire side branches, and shortening the root to the length buds. Nicol says, he knows an instance of a row of of nine or twelve inches, and placing them four or sea-kale having been forced in the above way every shall suggest; as the plants thus used will be renshall suggest; as the plants thus used with be lost dered of little value, care must be taken to have a regular succession of them for this purpose, should frames, exactly in the manner generally adopted for asparagus. The advantages he considers to be

lent gardeners, all of whom have written on this any particular time, and the saving of dung and lasubject. They agree that sea-kale is remarkably bour. The latter saving, he says, "must appear easily forced; and Mr. Nicol, and that excellent obvious to every practical gardener, when he consiamateur horticulturist, Mr. Niell, both remark, that ders the difficulty attending the keeping up a provegetables are seldom improved by foreing; but per and regular degree of heat, by covering with that sea-kale forms an exception, "the forced shoots dung over pots, and other similar methods, (as geneproduced at mid-winter being more crisp and deli-rally practiced,) at so inclement a season of the cate in flavour than those procured in the natural year; requiring three times the quantity of dung to way in April or May."

forcing in beds in the open air. "Seven weeks," for a common melon-frame will contain as many the former observes, "before the time at which you heads as are capable of being produced in two quantity of fresh stable-dung.

with a cork, and cement it with clay, to keep out years growth before taking up for forcing. both the weather and the rank steam from the lin

I am sensible the foregoing will meet with great are greatly injured by being exposed to either one pot, pressing it down firm, extending it eight or ten opposition and contradiction, but as an experiment or the other. Hort. Trans. vol. i. inches above the pot. It will be necessary to examine the plants frequently, and to measure the heat within the covers now and then, lest, by some 'the prolongation of the season of sea-kale;" for inadvertency, the quantity of litter should not have he has found, after several years experience, that been well apportioned or rightly prepared. If the "one year old plants come in much later in spring heat be under 50°, there is not heat enough to exthan old established roots." Caled. Hort. Mem. cite the plants; and if above 60°, it is too fiery, and vol. ii.

Such as are partial to this plant and possess the after being covered up, the first shoots will be from six to ten inches long, and fit for the table. If the

> ter to begin time enough, and force slowly, rather than quickly. Like Abercrombie, Maher covers

Unless the weather be unusually rigorous, it will not be necessary to renew the linings of hot litter oftener than once in seven or eight weeks. Abercrombie directs to take away the exhausted part, Such are the modes of treating this plant, which and mix the remainder with fresh dung and leaves. different mode of foreing it, especially when prac- hot-beds. When the stools will produce no more such plants as are sure to flower, cutting away their and return nutriment to the root for the next year's six inches asunder; they may be forced in a frame, season for seven years, in which the plants in it are or in any other way that the gardener's ingenuity as vigorous and healthy as others in the same quarter that are forced only every second year.

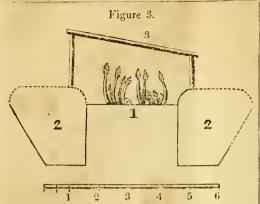
be found to answer.

The following are the opinions of seven excelthe certainty of having the vegetable fit for use at produce an equal number of heads, to what will be Abercrombie, Nicol, and Maher, recommend necessary when the roots are placed in the frame; "Having trimmed the leaves from the plants, about the beginning of November, and the second carefully point the surface of the ground; and over about the last week in December; and by the time the second frame is exhausted, sea-kale will be rea-

the sexual doctrine of plants: posterity, however, has which will be in about three weeks, proceed to the 38%, also forces in frames, blanching by keeping rescaed his name from the imputation of a cheat. The forcing. If you mix tree leaves with the dung, the beds covered with mats. Economy and cerfact quoted by Mr. Wm. Young, in page 53, may be added as another argument in favour of the propriety Cover each of the plants, either with a regular this mode. As the plants are no longer of use after Cover each of the plants, either with a regular this mode. As the plants are no longer of use after the plants are not longer to the plants are not longer the plants blanching-pot, or with a garden-pot of the largest being forced, a succession is kept up by annual vers should attend to agricultural and horticultural size. When the latter is employed, stop the hole sowings: and the plants are allowed to attain three

Baldwin forces sea-kale where it stands in the cumbent on them, both for the purposes of justice, and ing. Then lay a portion of prepared dung, alone, open garden in the following manner: "On each their personal advantage."

or mixed with tree leaves, about and over each side of a three-fout bed, (fig. 3, 1.) in which the



sca-kale has been planted, trenches (2, 0,) are formed two feet deep, and eighteen inches wide at bottom; the side of the trench next to the bed is perpendicular, the other side is sloped, so as to make the top of the trench at the surface level, two feet hot dung, on the inner edges of which garden lights are placed, and the glass (3,) kept covered with mats until the kale is fit to cut. The same plan," he adds, "is applicable to asparagus, and also to rhubarb, or any other perennial vegetable intended to be excited where it stands, and a cover-

vinery. He plants "along the back of the flue and active natures, essentially different. where no vine-roots are, places covers on the plants, vol. iv. p. 164.

When the plant is blanched under a pot, it is fit

stalks to cutting them; the leaf, or expanded part, stance.

seems well adapted for a pickle.

casily be overdone in cooking, and that after being The hives used by me for my largest swarms, weighboiled well, it should be thoroughly drained, and ing from five to six pounds, will contain two pecks then suffered to remain a few minutes before the measure of corn, and will yield, in a good season, 8 perform of themselves.

Seots pints of honey, and for smaller swarms in pro haled," Hort. Mem. vol. i. p. 313. Some boil it in portion. Hives with empty combs are highly valu- their maintenance, or those to which a proper quansalt water.

they do in all matters of taste; some preferring it able to collect it, is very much in its favour.

desirable vegetable for sedentary persons, or such hedges. When lately building a garden wall, with as have weak stomachs, being remarkably light and a good exposure for bees, I ordered a number of easy of digestion, and abounding in alkali rather niches to be made, into which I afterwards put hives. than acid; like the asparagus and eabbage, it is These were, however, so much infested with snails useful in removing the lithic acid from the plicate in summer, and mice in winter, that I was under coating of the bladder, and consequently tends to the necessity of removing them to a more open situprevent the formation of stone.

The seeds of the crambe, or sea-kale, are to be had in every seed shop, and young plants in most collected after the first week in August; but in high market gardens and nurseries.

RURAL ECONOMY.

ON THE MANAGEMENT OF BEES.

By Dr. James Howison, of Hillend.

[From the Memoirs of the Caledonian Horticultural Society.]

It being my intention to describe to the Society the management of a single hive of bees, from their swarming until they themselves have sent forth their or the same quantity of soft sugar, made into a syand a half wide: this trench is filled with linings of first colony, I shall remark on the different operations, as they naturally succeed each other, accord- and, in like proportion, to smaller hives. This work ing to the method now in general use; leaving that must not be delayed, that time may be given for the followed by me, of taking the honey without killing bees to make their deposit in their empty cells bethe bees, to be explained under a distinct head.

Variety of Bees.-To the common observer, all working bees, as to external appearance, are nearly

and in two weeks, when the heat for forcing vines to weigh an ounce; but they were so vicious and la-quickly evaporating the water, leaves the sugar in is kept up," he has "as fine sea kale as could be zy, that I changed it for a smaller variety, which dry crystals, not to be acted upon by the trunks of desired. When a dish is cut, he lifts the roots, and possesses much better dispositions, and of which it the bees. I have known several instances of hives supplies their places by others from the open ground, requires 296, on an average, to weigh an ounce, killed by hunger, while some pounds weight of sugar He considers this a very easy and certain method, Whether size and disposition are invariably conin this state remained in their cells. The boiling of especially in a wet climate." Caled. Hort. Mem. nected, I have not yet had sufficient experience to sugar into syrup forms a closer combination with determine

Materials and size of Hives .- Hives made of straw, for use as soon as it is cut; but when blanched in as now in use, have a great advantage over those I have had frequent experience of hives not containany of the other modes, it requires to be carefully made of wood or other materials, from the effectual ing a pound of honey, preserved in perfect health washed from any sand or grit which may adhere to defence they afford against the extremes of heat in through the winter, with sugar so prepared, when it; and any blemish it may have received from sub-terraneous insects must be cut away.

summer, and cold in winter. That the hives in size given in proper time, and in sufficient quantity.

Should correspond as nearly as possible with that of Covering the ILives.—Bees are evidently natives of In cutting this plant for the table, eare must be the swarms, has not had that attention paid to it a warm climate, a high temperature being absolutetaken not to injure the crown of the root by cuiting which the subject demands, as much of the success ly necessary to their existence; and their continuing it too close. Most gardeners prefer slipping off the in the management of bees depends on that circum-

make it tender; this process is the more to be attend- leeting their winter store is spent in unprofitable ia- about the end of harvest, I add to the thin covering ed to, as the goodness of the article greatly depends bour; and starvation is the consequence. This evil of straw put on the hives at the time of swarming, a on it; that which is young, recently cut, or forced, also extends to occasioning late swarming the next thick coat, and shut up the aperture through which will be done in less time, when properly boiled, it summer; it being long before the hive becomes so the bees entered, so that only one can pass at a time. is to be served up to table on a toast with melted filled with young bees as to produce a necessity for Indeed as a very small portion of air is necessary butter, in the manner of asparagus; we have been emigration, from which cause the season is too far for bees in their torpid state, it were better, during assured that it is most excellent stewed, and it advanced for the young colonies to procure a winter severe frosts, to be entirely shut up, as numbers of

able for second swarms, as the bees are thereby en-

even to asparagus, to which it is related, in point of placed as to receive the rays of the rising as well as rally takes place about the beginning of May, and flavour; others regarding it as little superior to cab-bage: the general voice, as far as we have been and light appearing the priacipal stimulants to the Owners of hives are often In its sensible effects on the human body, it ed by the sun until some hours later than the other preceding, put on the most promising appearance, comes nearer to the cabbage tribe than asparagus; hives in the same garden, would in the course of the after a few days of rain, they become so weak and

it does not impart to the urine that unpleasant smell, season lose a proportional number of days labour, which the latter is well known to do. It is a most llives should stand at some distance from walls and

Freding the Bees .- Near the sea, little honey is situations, where the flowers are later, and heath abounds, the bees labour with advantage until the middle of September. These are the proper periods, according to situation, for ascertaining if the hives intended to be kept contain a sufficient winter stock. The killing of the drones, (a very singular fact in the history of the bee, and which will be noticed hereafter,) perhaps marks this time with more preci-

If a large hive does not weigh thirty pounds, it will be necessary to allow it half a pound of honey, rup, for every pound that is deficient of that weight; fore they are rendered torpid by the cold.

I must here notice, that sugar simply dissolved in water, (which is a common practice,) and sugar boiled with water into a syrup, form compounds very ing of boards, canvas, or mats, might be substituted for the glass lights." Hort. Trans. vol. iv. p. 63. tention, the difference in size is very distinguishable; differently suited for the winter store of bees. When A. Melross, of Ardgowan, forces sea-kale in a and they are in their vicious and gentle, incolent the former is wanted for their immediate nourishment, as in spring, it will answer equally well as a sy-Of the stock which I had in 1510, it required 250 rup; but if to be laid up as store, the heat of the hive the water, by which it is prevented from flying off, and a consistence resembling that of honey retained.

to live in hollow trees during the severe winters of Russia and America, must depend on the heat promay either be cut off before or after the operation of slipping.

From blind instinct, bees endeavour to fill with combs whatever hive they are put into, before they habit these abodes. From my own observation, the begin to gather honey. Owing to this, when the hive is too large for its inhabitants, the time for colline for colline for colline in the following summer. In consequence, them are often lost from being entired to quit the Sir George Mackenzie, at once a horticulturist and refined epicure, says, that "sea-kale cannot that the swarm should fill two-thirds of the hive, ever, be proper at times to remove, by a crooked wire or similar instrument, the dead bees and other

tity of sugar had been given fur that purpose, no As to its excellence as a food, persons differ, as abled much souner to begin collecting honey.

As to its excellence as a food, persons differ, as abled much souner to begin collecting honey.

Situation for Hives.—That the hives should be so ing season arrives.

This, in warm situations, generally and the state of further attention will be necessary, until the breed-

Owners of hives are often astonished, that, at this action of bees. A hive so situated as not to be touch advanced season, when their bees had, for weeks

nue declining until they at last die.

them to part with what is not enough for their support, at the expense of their own lives.

cessive days, to feed all the bees indiscriminately, as lower one. it would be difficult to ascertain those only who re-

quire it.

Of Swarming.-For several years past, my hives have uniformly sent forth their first swarms during the second week in July, from which it appears, of course, take place some weeks earlier.

giving out a sound a good deal resembling that of a which is always owing to the queen not having acsuch cases, I have seen her found near to the old opened about the beginning of June. hive; and on being taken up and placed in the new one, the swarm instantly settled.

Gooseberry or current bushes should be planted polluted by the hatching of young bees. at a short distance from the hives, for the bees to a swarm by straying for several years. This, I am quence of not killing the bees. however convinced, depends much on the nature of joined to others that are weak, as, from the lateness ment of this singular insect. of the season, and deficiency in number, they will by inverting at night the hive in which they are, never observed fighting to be a consequence.

It being very universally believed, that two queens have torn them to atoms. cannot live together in the same hive, I have for sewith care until it clears up, otherwise the young pass

swarm will run a great risk of dying.

ture of the hive, with which I accomplish this ob-strained some honey, and after fixing the lid, I put fore given, I should have preferred.

of half inch deal, each measuring ten inches in bees. The upper is of the same dimensions and from the stand of the hive, it cannot again rise, and not suddenly nor decidedly, but slowly and by de-

From paying attention to this subject, I am con-thereon a coat of straw, the panes at top are only though the drone is four times the size of his excvinced, that the cause is as follows: The young five inches wide, which is also covered by a piece cutioner, no attempt at retaliation is ever officed. bees, for a short time previous to their leaving their of board. The upper box has a moulding fixed cells, and some time after, require being fed with to its under part, which projects about a quarter the same regularity that young birds are by their of an inch, and so exactly embraces the upper part parents; and if the store in the hive be exhausted, of the lower box, as to join these two firmly togeand the weather such as not to admit of the work- ther. In the deal which forms the top of the lower ing bees going abroad to collect food in sufficient box, are cut four oval holes, each one inch wide. quantity for themselves and their brood, the power- and two inches long, through which the bees pass ful principle of affection for their young compels into the upper. This communication, when not wanted, is shut by a board, which moves on a nail in its centre. The small pane of glass in the top of To prevent such accidents, I make it a rule, that the upper box, admits of seeing the progress the if, during the breeding scason, it rain for two suc- bees have made in it, without separating it from the

When the swarm is first put into the lower box the communication is shut with the upper, until the hees have completely filled the lower with combs, The communication is then to be opened, when the bees will ascend, and if the season is favourable, that early or late swarming in the same situations is and the swarm numerous, they will fill it also, but not so much regulated by good or bad seasons, as might have been expected. Near the sea, this will, By removing the strawcovering, and looking through the glass in the upper box, it may be seen what ho-The first swarming is so long preceded by the ney has been collected. Should a part or the whole appearance of drones, and hanging out of working of it be wanted, it will only be necessary carefully little being for whom the blood of Jesus was shed; bees, that if the time of their leaving the hive is not to separate the upper from the lower box, and shut an epitome of God's greatest, noblest work; "a miobserved, it must be owing to want of care. The the board of communication. The upper box is then niature pledge," as the great poet Goldsmith says, signs of the second are, however, more equivocal, to be removed to some distance, and the bees con-16 who may be one day the guardian of the liberties the most certain being, that of the queen, a day or tained in it, driven off, on which they will immedia of Europe, the bulwark and honour of its aged patwo before swarming, at intervals of a few minutes, ately join their companions in the lower. So soon rents." And when a mother sees the divine faculty cricket. It frequently happens, that the swarm will placed, and if early in the season, the communicallisping accents from its ruly lips, how fervently leave the old hive, and return again several times, tion opened for making more honey, but if late, it ought she to implore that Christ would be the Shepcompanied them, or from having dropt on the summer. . If honey-comb early next season is pre- his bosom, that he would in this life shelter it in his ground, being too young to fly to a distance. In ferred to a swarm, then the communication must be fold, and after death place it among the cherubin

All the honey procured in this way is remarkable

The greatest advantages, however, from this meswarm upon, as, by attending to this, I have not lost thod, are the early and large swarms,-the consc-

Conclusion.—I shall conclude this essay with some the bees which form the stock When a hive yields curious facts in the history of the bee, which premore than two swarms, these should uniformly be sented themselves to my notice during the manage-

1st. I have frequently observed that, during otherwise perish. This junction is easily formed, swarming, the twig or branch which supported the low the first dawnings of its reason to beam in the swarm, weighing from five to six lbs. or 30,000 bees, and placing over it the one you intend them to en-bad its surface completely covered with the first 300 Forbid it, mothers! Should circumstances ren-They soon ascend, and apparently, with no or 400 that alighted upon it, the remainder of the der it inconvenient to bring a wet-nurse into the opposition from the former possessors, as I have swarm having their whole weight supported by that house, sooner, a thousand times, would I rear the small number, which, in any other situation, must

Method of obtaining the honey without killing the smell, as appears from the following experiment.

width, and eight in depth, and covered with a thin when the breeding is at an end, is performed in a lips. But I will suppose better things of you, and board at top. This forms a box that will contain singular way, and done by one bee in general. It drop the subject for the present. two pecks measure of corn, and which I consider as almost uniformly fixes on the drone, at the insertion Do not, if it can be avoided, wean your child till sufficient for the largest swarm. This is intended of the left wing, when it tears with its fangs the mustit is twelve menths old; and when compelled to infor the breeding, as well as winter habitation of the cle which moves the wing, so that when thrown flict on it this its first misfortune, do it with mercy;

sickly as to be unable to leave the hive, and conti- form as the under at bottom; but in order to give it is usually killed by the cold of the following night. a conical shape, for the more conveniently fixing No stinging or other violence is ever used; and al-

LADIES' DEPARTMENT.

A WHISPER TO A NEWLY-MARRIED PAIR.

A WHISPER TO THE WIFE.

[Continued from p. 46.] Chapter IX.

ON THE MANAGEMENT AND EDUCATION OF CHILDREN.

A lovely infant now crowns your mutual wishes. What a bond of union! What an incentive to tenderness! Lives there a man who can look at the mother of his pretty babe, and not feel his heart irresistibly drawn towards her? While the simple reflection, "This is the father of my child!" should make the husband to his wife the dearest object in the world-

"Thus, for the parent's sake, the child is dear, And dearer is the parent for the child."

A little child is an uncommonly interesting object! An immortal soul confined in such a fairy form; a as the honcy is taken from the box, it can be re- of reason sparkling in its little eyes, and issuing in boust be kept shut until the hive has swarmed next herd of her little lamb, that he would carry it in which surround his throne!

The first duty which nature points out to a mofor its purity, none of the cells having been ever ther is, to be herself the nurse of her infant. Let no motive, gentle lady, except want of health, induce you to surrender this endearing office to a stranger. The custom of sending a baby to a distant hut to be nursed, is now so much exploded. that it is almost unnecessary to dwell on the subject. What! to send the pretty babe from your home and your bosom, from all the love and watchfulness its helplessness so strongly calls for; to send it to be nursed and cradled among strangers; to alatmosphere of vulgarity, meanness, and even vice! pretty babe, in nursery phrase, with the spoon, than treat it with such unkindness and injus-2dly, That light is not necessary to the labour of tice. And now, after the lapse of a year or two, veral days after this forced junction, searched for hees, or if it is, it must be in a degree incomprehenthe poor baby, ill-reared, and alienated from its fathe murdered queen, but never with success. Should sible to us. The passage to the abode of the hummily, is brought home. His little heart pines, and the weather, for some days after swarming, be un- ble bee, is often a zigzag several yards in length, saddens; and he cares not for any body, nor any savourable for the bees going out, they must be fed through which it appears impossible for any light to thing, in the fine house he has got into. His nurse, and festerfather, and Billy, and Peggy, and the cat, 3dly, Bees are entirely directed to their food by and little Beauty the dog, are all the world to him. And the hawthorn tree which grows at the cottage Bees .- The Society will see, from the peculiar struc- placed in a tea-kettle a cloth, through which I had door, and the clear stream which runs in the adjoining field, have more charms in his eyes, than ject, that I was under the necessity of making it of it on the ground about 200 yards to the windward his father's fine-spreading chestnuts and cultivated wood, in place of straw, which, for the reasons be-of some hives. I was soon after much amused in grounds. He is a pet with no one, and no one is a fore given, I should have preferred. Seeing a number of bees following the different wind-pet with him. His more fortunate brothers and sis-It consists of two distinct hexagons, one placed ings of the scented breeze, until they reached the ters are all preferred before him, and, untutored above the other. The under is formed of six panes spout of the kettle, which they immediately entered, and neglected, no pretty ways endear him to his fa-4thly, Killing the drones by the working bees, mily, no pretty words issue from his little untaught

or thrice a day; then only once; and then dropping its arms and bosom be exposed to the air. Let it And nothing strikes your eye but sights of bliss. it entirely in the day, but continuing it at night for sleep in the middle of the day, till it is three years All various nature pressing on the heart: some little time. And thus will the pretty babe be old; put it to bed at seven o'clock, and let it rise An elegant sufficiency, content, spared an anguish which even the Almighty seems early. Plunge it every morning into cold water, Retirement, rural quict, friendship, books, to wish to awaken the mind to, when in his holy book we find those word: "My soul is brought low season after. If the child should be delicate, let the even as a weaned child." I really do not well under-child of the water be slightly taken off by adding a litstand why people remark it is best to wean a child the warm water to it, until the child gets hardy. Be at eight or nine months old, when experience so de- particular in the choice of the servant who attends cidedly contradicts them. Look at the children of your baby; and, if possible, let same one of the Still find them happy; and consenting Spring the peasantry. Mark the health which sparkles in family accompany her when she takes it to walk. Sheds her own rosy garland on their heads: their eyes, and the strength which gives activity to To rest her arms, she will often most injuriously their little limbs; and yet those children are seldom weaned even so early as twelve months old. "I fected perhaps with whooping cough, small pox, or never knew child or mother injured," said a clever some intantine disease: and then, instead of the With many a proof of recollected love. and humane physician, "by a late weaning."

I have often thought man could learn from an infant a sweet lesson of love and gratitude. In the act of weaning, has any one observed its countenance in all the eagerness of hope and anxiety, seeking near an open window, sprinkle the face with cold round for the beloved face of her from whom it has derived its support? Mark the expression of each the nostrils and inside of the ear with a feather. little feature; mark the apathy with which it turns from every other face; and when it has discovered the object dearest to its little soul, the flushed cheek, the delighted eye, the shout of joy, the eager horn in a little water; to a child of two years old spring to reach her arms-all indicate the extacy and triumph of the interesting creature: and one longs to lavish kisses and caresses on him. And is it love for the very object herself which causes these emotions? Yes, truly: for though another nurse appears who could just as well supply him with the beverage he is languishing for, he regards AS RESULTING FROM MUTUAL AND WELL REGULATED her with aversion, and turns away with screaming indignation.

The following rules, written by the directors of the Universal Dispensary for Children, and recommended by the late Queen Charlotte's physician, will not, I trust, be considered irrelevant, and perhaps may be acceptable to the young mother.

Proper nursing tends to preserve the human The mother's breast is the infant's birthspecies. The mother's breast is the infant's birth-right. Feed an infant in an upright posture: it gives uniform distension to the stomach. Expose it early to the air: it keeps it from cold. Place it, while asleep, on its right side: it obviates indigestion. Attend to its cries: it never cries when well Can answer love, and render bliss secure. and at ease. Encourage it to stretch out its limbs, and to creep about: it promotes strength and activity. Rub it morning and night all over with the hand: it promotes circulation. Never awaken an infant out of sleep by rough means: it may produce fits. Avoid the use of tight bandages, particularly round the body. Avoid quack medicines and old women's nostrums. In case of illness, at once call in medical aid. Avoid feeding infants in the night: it produces griping. And beware at any time of over-feeding. Avoid warm nurseries and close air: admit a current of air through the room every day that will allow it. Avoid carrying children on the same arm: it makes them crooked. Never provoke violent laughing, nor disregard violent crying: it weakens their little frame. If the child be weakly, give it a small cup of chicken broth or beef-tea daily. And put on a flannel shirt in the day, but not at night: it promotes perspiration. After the first year, animal food may be given twice a week. If a child lately weaned should pine away, or contract any disease, by all means give it the breast again. Encourage it to walk and creep about as soon as it shows any wish to do so. Time enough The father's lustre, and the mother's bloom. at six or seven months old to put on shoes: and to

grees; giving it for the first week suck only twice make it hardy, let its petficoats be very short, and Surprise so often, while you look around, beginning in warm weather, and continue it every Ease and alternate labour, useful life, season after. If the child should be delicate, let the place it on the damp ground, or go into a house inbenefit of air and exercise, the poor baby is kept Together down they sink in social sleep; sitting in her lap, while she perhaps gabbles away anecdotes of the family she lives with. In a fit, loosen the child's clothes, raise the head, place it water, rub it all over with your warm hand, tickle Let it be moved as little as possible; put it in a warm bath, or keep a succession of warm flannel round it. To an inlant, give five drops of hartsyou may give ten; but give it with caution, to prevent it going against its breath."

(To be continued in our next.)

CONJUGAL HAPPINESS,

ATTACHMENT.

"But happy they! the happiest of their kind! Whom gentler stars unite, and in one fate Their hearts, their fortunes, and their beings blend. Tis not the coarser tie of human laws, Unnatural oft, and foreign to the mind, That binds their peace, but harmony itself, Attuning all their passions into love Where friendship full exerts her softest power, Perfect esteem, enliven'd by desire Ineffable, and sympathy of soul; Thought meeting thought, and will preventing will With boundless confidence: for nought but love Let him, ungenerous, who, alone intent To bless himself, from sordid parents buys The loathing virgin, in eternal care, Well merited, consume his nights and days: Let barbarous nations, whose inhuman love Is wild desire, fierce as the suns they feel; Let eastern tyrants, from the light of Heaven Seclude their bosom-slaves, meanly possess'd Of a mere, lifeless, violated form: While those whom love cements in holy faith, And equal transport, free as Nature live, Disdaining fear. What is the world to them, Its pomp, its pleasure, and its nonsense all! Who in each other clasp, whatever fair High fancy forms, and lavish hearts can wish; Something than beauty dearer, should they look Or on the mind, or mind illumin'd face; Truth, goodness, honour, harmony, and love The richest bounty of indulgent Heaven. Meantime a smiling offspring rises round, And mingles both their graces. By degrees, The human blossom blows; and every day, Soft as it rolls along, shows some new charm, Then infant reason grows apace, and calls For the kind hand of an assiduous care. Delightful task! to rear the tender thought, To teach the young idea how to shoot, To pour the fresh instruction o'er the mind, To breathe th' enlivening spirit and to fix The generous purpose in the glowing breast. Oh, speak the joyl ye whom the sudden tear

Progressive virtue, and approving Heaven. These are the matchless joys of virtuous love; And thus their moments fly. The seasons thus. As ceaseless round a jarring world they roll, Till evening comes at last, screne and mild; When, after the long vernal day of life, Enamour'd more, as more remembrance swells Together freed, their gentle spirits fly To seenes where love and bliss immortal reign."

SPORTING CLIO.

RURAL SPORTS.

The season is at hand for making up parties for occasional excursions to the country, "where blooming health exerts her gentle reign." How much better to repair to the fields, the woods, or to the neighbouring streams, at the close of a week of hard study or sedentary labour, and there spend the afternoon in gunning, fishing, swimming; bowling at nine-pins, pitching quoits, &c., according to one's fancy and the season, than to abuse whole days in militia mustering! frequenting gaming-houses, whiskey drinking, &c.
The sedentary and oppressive occupations of a city

life, which beget

- the languid eye, the cheek Deserted of its bloom; the fiaccid, shrunk, And withcred muscle, and the vapid soul,"

require to be counteracted by refreshing amuse-ments that are only to be found in the country; and for all such healthful and innocent enjoyments, no city possesses greater facilities in its immediate vi-cinity, than Baltimore. There is not a road, nor a water course, that does not afford beautiful situations for recreations such as we have mentioned. In other large cities, in summer season especially, on Saturday afternoons the whole population is in motion. We do not recollect ever to have passed a more pleasant day than at a quoit club party in the neighbourhood of Philadelphia. They meet every Saturday, under the following rules of association:]

RULES OF THE PHILADELPHIA QUOIT CLUB.

1. The number of members shall be limited to 20. 2. To become a member, a gentleman must be proposed at a meeting; and in case of a vacancy, be ballotted for on the succeeding club day. Should the number be complete, the Secretary shall keep a list of candidates to be ballotted for when vacancies happen in the order they were proposed.

S. Two black balls shall exclude a candidate, and no ballot shall take place, unless there be at

least 13 members present.

4. The meeting shall take place on the first Sa-

turday in May.

5. No member shall accept of any invitation on club day.

6. No invitation to be given to other than strangers, excepting by the President of the day, who shall have the liberty of inviting two friends.

7. The President of the day, or some other member of the club as proxy for him, shall attend the giving out of wine,* porter, &c.; to have the wine,

f* Wine might be dispensed with to advantage, and the subscription be not half so much, or let those who must have it, bring their own.]

^{*}The greatest cruelty practised in weaning an infant is, that of separating the nurse and child so completely as to render it impossible, though convulsive screaming may threaten the baby's life, to remedy the grievance by the soothing draught which the pretty sufferer is shricking for-

the key to the President of the succeeding day.

8. No hot dishes to be allowed on any account. club.

9. A Secretary and Treasurer shall be appointed; the latter the oldest member, and the former the youngest member of the club.

to. The duty of the Secretary shall be, to purchase the wine, &c. and to give his orders upon the Treasurer for the amount.

11. The duty of the Treasurer shall be, to take

charge of the subscription money.

12. The accounts of the Secretary and Treasurer to be settled annually on the 31st December.

13. On the first meeting of the club, each member shall pay to the Treasurer 25 dollars, and be liable to be called upon for their proportion of any additional expense.

FOX HUNTING.

EXTRACT TO THE EDITOR FROM AN OLD STORTS-MAN.

With regard to staghounds, that they are to be had of this name, there is no doubt, but they can only be found in the king's pack. The subscription packs and those of the nobility, are accustomed to run the fox, as well as deer, and of course have more speed, and ever since the days of Meynel, have been increasing in speed. In the king's pack as in all others, they annually discard the old hounds, to make room for the young ones; packs being limited to number. These east hounds are the perquisite of the whippers in, to sell for the carcase and hide. I never saw but one of these dogs, and that by accident in Philadelphia market, on a very rainy day. He was in heighth and frame the largest dog I have ever seen, finely proportioned, and with a note of thunder. The owner could not fail in procuring a pair.

At one period of my life and for many years, I pursued the chase with great ardour, never hunting more than six couple of dogs. I went out twice a week. Glad to see a full field of horsemen, but never suffered strange bounds among mine. I would not recommend more than fifteen couple for a subscription hunt, but these to be equally matched in speed and bottom, but varying in colour and tongue. Blowing dogs are always slower than yelpers, and slow dogs are not only most certain to kill, but are less laborious to follow. But one person should hunt the dogs, aided by an attendant, or if you please a whipper in, and there should be a fine for overriding the dogs on the drag. The dogs should be all kept at one kennel, that they may become acquainted with each other and the huntsman. As soon as you can, discard all the babblers, cutters, and such as after a smart run take to horse, keep none

but busy working dogs. I always hunted in the old English jacked leather cap, covered with black velvet. It has many advantages: First, you are not apt to lose it, and last butter is made, is taken out. It is by far the best ploughs. It is so formed, that it will expand either and not least it protects your head in case of a fall, churn ever invented. With it, butter can be made as a scarifier or a cultivator. The depth at which or the stroke of a limb. The coat over a spencer, in a short time, with little labour. The sizes are it acts, is regulated by a wheel at the end of the next your waistcoat should be made somewhat in the various. Prices \$31 to \$8.00. form of the common frock coat, standing collar, and so straight before that when mounted, you can conveniently cover your knees with it in case of rain, and on account of bushes, snags and briars, should not be longer than to cover your knees. A neat belt of two buckles for your waist, in which you hang the dog's couples and your horn. In this belt you can also hang a hautboy, clarionet, or other wind instrument; these with a French horn or keyed \$100. bugle, will animate the scene upon the death of the

eoits. &c. locked up in the evening, and to deliver when all are together. A blue grey cloth looks and \$75; Improved, two knives, \$25; Common Cutting the key to the President of the succeeding day.

During my hunting days, our dogs became too except vegetables. The penalty for infringing this fast for real sport. We mounted, had just time to rule shall be I dozen of Madeira for the use of the say a short prayer for our neck's safety, and the de- English ones, of which the three first named are vil take the hindurost.

MISCELLANEOUS.

AGRICULTURAL MACHINES AND IMPLE-MENTS.

Catalogue of Improved Agricultural Machines and Implements, for sale, and made to order, at the New York Agricultural Repository-By William Tor-

"He that tilleth his ground, shall have plenty of bread."

[An acquaintance of several years has inspired the Editor of this paper with confidence in, and respect for Mr. Torrey.]

Orders from any part of the United States, South America, or the West Indies, executed with promptitude, and the articles shipped free of charge. A liberal credit is given when a quantity exceeding \$100 is purchased. Agriculturists may depend upon receiving well-made articles, as the Proprietor of the Repository is determined not to manufacture sow carrot seed sufficiently regular. Price \$10. except in a workmanlike manner.

The numbers in this catalogue commence with the smallest or lowest priced articles.

CORN SHELLERS.

Patent Plate Machine.—These machines are perfeetly simple, cannot get out of order, and do their work effectually. The quantity shelled will depend machine, as it will shell as fast as the corn can be

Two men working steadily will shell in a day (of and with a note of thunder. The owner could not ten hours,) from 150 to 200 bushels of (shelled) fail in procuring a pair.

The owner could not ten hours,) from 150 to 200 bushels of (shelled) corn, or 300 to 400 bushels in the ear. The cob is not broken, and the work is cleaner done than by horses or flails. Price \$15 to \$20.

do not answer a good purpose.

CORN MILLS.

Various machines have been offered to the agrirequiring an exertion of strength beyond the capacity of one, or even two men. Perhaps the best are the imported large mills similar to post coffeemills. These will, however, only crack the grain. In the Repository, is an improved horse mill, with French burr stones, the runner revolving vertically. It is calculated for the power of one horse, and will crack 75 bushels of corn per day, and also grind fine. Price, without horse power, \$50.

CHURNS.

Burder's Box Churn,—This is an oblong box containing a dasher which revolves, which when the

Cradle Churns; Barrel Churns; Common Churns.

COFFEE MACHINES.

Similar in outward form to fanning mills, but differing in the inward arrangement, and also much larger. They are calculated to clean the coffee from the chaff, and also to separate the large and small grains; can also be taken apart. Prices \$50 to

CHAFF CUTTERS.

The huntsman should alone use the horn, except \$75; Rowntree's, two knives, to cut different lengths, Price \$20.

All the chaff cutters used in our country, even patent, are copied, with slight alterations, from the the best. They all, however, do their work well, if made well, and cut remarkably fast. The greatest economy a farmer can use, if he has a large stock, is to purchase the best. For a moderate size stock, the improved two knives will answer well. The common cutting box is well known, and there are at least a dozen others, which are called patent, the most of which will be made to order.

PLOUGH CASTINGS.

Wood's, (Freehorn) Hitchcock's, Stevens', Dutcher's, &c.; comprising mould-boards, land-sides, and shares. A great variety of these is kept constantly on hand, which will be sold low to country manu facturers.

Also, Sleigh-Shoes; Sash-Weights; Machinery, &c. Orders received for castings, and patterns made if required.

The only Drill much used in this country, is that for sowing turnips. It delivers the quantity of seed required with exactness, and is by far the best me thod of sowing. They can be so modelled as to

FANNING MILLS.

Great improvements have lately been made in these machines. They are now more portable, clean better and faster, and but seldom get out of order. The cockle and chaff are completely separated from the grain. By a new method of manufacturing, they are now made so as to be taken apart for foreign orders, and packed in boxes, ocupon the number of hands employed in feeding the cupying, comparatively, but a small space. Price, common size, \$20-extra, \$25.

FLEXIBLE TUBES.

For relieving cattle that are hoven or choked. This is a highly useful article, which should be owned by every farmer, having a large stock, as in the most simple manner cattle are instantly reliev-Cylinder and other corn-shellers are in use, but ed, when in very dangerous circumstances. following are the directions for using the tube:

First, put the gag in the mouth of the animal, and buckle it on the neck; then, if choked, insert the concave end, and force down the obstruction. cultural public for grinding Indian corn and other If hoven, insert the conical end, (the whole length grain, by hand, but they are all greatly deficient, will not injure,) and continue it until the air has escaped out of the tube: immediate relief, of course follows. Price per pair, for cattle and sheep, 56.

HORSE HOES AND CULTIVATORS.

Horse Hoes.—'This instrument is invaluable in the cultivation of corn, potatoes, turnips, or any crop in rows or drills. It expands from 12 to 28 inches, cuts out the weeds completely, and earths up on each side, provided the mould-plates are on, or acts as a scarilier with them off. It is more effectual than the hand hoe, lighter than the plough, and with one horse and a boy, more work may be done in the same time with it, than with three beam. Price \$15.

Blakie's Horse Hoe, or Scarifier .- Invented by Mr. Blakie, steward of Mr. Coke, of Norfolk, England. It is calculated for all kinds of row culture, and is a valuable implement. It is also useful in gardens, to clean rows of vegetables. Will expand from 8 to 24 inches, and is of light draft for one horse. It acts only as a surface scarifier. Price \$12.

Beatson's Scarifier and Stubble Rake .- This completely pulverizes the soil, and is chiefly intended to act without the plough. For a description of its Hill's, three knives, \$45; Passmore's, four knives, use, see Gen. Beatson's New System of Agriculture,

Expanding Cultivator .- A useful implement in corn, potatoes, &c. It is triangular, with a hinge in front, and has three cultivator feet at the extremities, with harrow-teeth between. It is esteemed tive counties, to view their farms and make report in cotton culture. Price \$12.

A number of Cultivators, differing in form, are also kept on hand, being made to suit various crops and soils. Prices \$8 to \$12.

(To be concluded in our next.)

BALTIMORE, FRIDAY, MAY 5, 1826.

MARYLAND AGRICULTURAL SOCIETY.

The next meeting of the Trustees of the Maryland Agricultural Society will be held at Waverly, the residence of G. Howard, Esq., on Thursday, the 18th day of May, inst. On every account, and especially as it will be the last meeting previous to the Cattle Show, it may be expected that the meeting will be a full onc.

The MARYLAND CATTLE Show will be held at the Maryland Tavern, four miles from the city of Baltimore, on Thursday and Friday, the first and

second days of June.

Premiums will then and there be distributed, amounting in value to upwards of \$800, raised by the subscriptions of regular members of the Society who pay \$5 per annum, and by the contributions of visitors at the gate, who pay \$2 each. The premiums will be bestowed, for the best Farms and Crops, \$284-for Horses and Marcs, \$75-Asses and Mules, \$50-Neat Cattle, \$103-Swine, \$30-Sheep, and Wool, \$120-Family Manufactures, \$102-Implements of Husbandry, \$10—Fermented Liquors, \$20—Butter and Cheese, \$26—Ploughing, \$24.

By turning to No. 24, vol. 7, page 191, of the American Farmer, it will be seen that the Maryland Agricultural Society has offered a premium of a piece of plate valued at \$50, "for the farm of not less than one hundred acres, which shall appear to have been cultivated with the greatest economy and nett profit, consistently with its permanent improvement; reference being had to its natural advantages as to soil, situation," &c.

For the second hest, particulars as above, a pre-

mium of a piece of plate valued at \$30.

In order that every farmer and planter in Maryland, may have an equal opportunity of entering into competition, the trustees have appointed three gentlemen in each county of the state, to examine

ums, in their respective counties.

Allegany co.-J. M. Henry, David Lynn, William Lanar. Washington—Frisby Tilghnian, W. Gabby, John Bowles. Frederick—Grafton Duval, Baker Johnson, John Lee. Anne Arundel—T. B. Dorsey, Henry Wayman, Col. Thomas Hood. Monty Col. Thomas Hood. Wonty Wayman, Col. Thomas Hood. gomery-Arch. Lee, George C. Washington, Roger Brooke. Prince George's—Jos. Kent, Benj. Ogle, R. W. Bowie. Calvert—Daniel Kent, John Beckett, Richard Graham, Charles-Daniel Jeniser, John B. Wills, John Ferguson. St. Mary's—II. G. S. Key, Clem. Dorsey, Dr. James Thomas. Baltimore—Thomas Gist, John S. Webster, John Kelso. Harford-Dr. Jos. Brownley, John Stump, Wm. M. Harford—Dr. Jos. Browniey, John Stimp, W. M. M. Laasdale. Cecil—J. W. Thomas, S. Hollingsworth, jr., B. F. Mackall. Kent—Gen. Reed, Ezekiel F. Chambers, G. W. Thomas. Queen Inn's—Col. T. Emory, W. R. Stewart, Wm. De Courcey. Talbot—R. H. Goldsborough, S. Stevens, Tench Tilghman. Caroline—Col. Potter, Richard Hughlett, man. Caroline—Col. Potter, Richard Hughlett, Sportsman—Catalogue of Agricultural Machines and Wm. Orrell. Somerset—Dr. James Wilson, Little-Implements, for sale by Wm. Torrey, jr., New York—

Hitchcock's Cultivator.—See double mould-board Washington Eccleston, Charles Goldsborough.— ough. Worcester—Dr. Spence, Thomas N. Williams, Col. G. Haywood.

Those who may desire to offer for these premiums will please apply to the committee in their respecas set forth in the paper above mentioned.

& Farmers will do well to take notice that many of the Premiums offered by the Maryland Agricultural Society have every year been returned for want of competition—so it will doubtless be again if gentlemen are prevented by an ill-founded apprehension that good animals are not good enough for exhibition; or by an inertness which is yet more to be condemned.

The Agricultural Society will make arrangements to exhibit free of cost to their owners all fine animals whether shewn for premium or not, and will feel indebted to those who may send them for exhi-

SA FAIR CHALLENGE.—Mr. W. R. Dickinson, of Steubenville, Ohio, well known for his judgment and publick spirit, both as a grower and manufacturer of fine wool, observes in a letter to the Editor of the New York Statesman-

"I entertain the belief that there are pure Merino sheep in Jefferson county, in the state of Ohio, as fine wooled, as can be found in the state of New-York, or indeed any other state in the Union: and in order to test the soundness of this opinion, I will exhibit, in June or July next, at Philadelphia, or Baltimore, fifty or one hundred fleeces, (washed or unwashed) from my own flock, to be compared with a corresponding number of fleeces from the flock of any other gentleman in the U. States. I invite the owners of Saxony sheep particularly to this notice.

"I have often thought that an exhibition of Merino

Bucks, periodically, at some central point, in the U. States, (near Baltimore for instance,) would be at-

tended with good consequences."

The Trustees of the Maryland Agricultural Society, have fixed upon the ram which being shorn upon the ground, at the next Cattle Show, shall yield the greatest weight of picklock wool, as the object for which they will award the silver cup, valued at \$20, placed at their disposal by Mr. Rebello, minister trom Brazil; than whom, no foreign agent has ever deported himself in a manner better calculated to inspire respect for his government, and for himself personal esteem.

Mr. Partridge, an eminent and enlightened manufacturer of New York, has avowed the impression and belief, that the best wool he has seen has and report on the applications for the above premibeen raised in Ohio, Kentucky, Tennessee, Indiana, and Illinois; and that he "has no doubt that in a few years these states will export many mil-

> Tobacco.—Inspections in the three State Warehouses for the last week-No. 1, 143; No. 2, 142; No. 3, 169-Total, 454 hlids.

CONTENTS OF THIS NUMBER.

On the manufacture of Butter and Cheese, by S. De Witt, Esq. of Albany, concluded-Changing the Seed not necessary to prevent degeneracy, &c., by Joseph Cooper, of N. Jersey-Directions for cultivating the Crambe Maritima, or Séa-Kale for the table, concluded—Essay on the management of Bees, by Dr. James Howison—Whisper to a Newly-married Pair, continued—Poetry, Conjugal Happiness, as resulting from mutual and well regulated attachment—Rural Sports, Rules of the Philadelphia Quoit Club-Fox-hunting, extract from an Old Printed every Friday, at \$5 per annum, for JOHN S. ton Dennis, Arnold E. Jones. Dorset--Dr. Muse, Maryland Agricultural Society-Editorial, &c.

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Ì	GUNPOWDER, Balti	25 lb	5			11	5 5	0		
ſ	GRAIN, Indian Corn, .	bush		70		75				
t	Wheat, Family Flour,	-		S7 50		90 70				
-	do. Lawler, do. Red,			83		85	,			
- [Rye,	_		65		66		1		•
	Barley,	_		80			١			
3	Clover Seed, Red Ruta Baga Seed,	bush lb.	3 8	37년	4	25	4 7	5		
-		bush	1	75			2 0	0		
۱	Mangel Wurtzel Seed,	- 1	1	25				0		
1	Timothy Seed,	- {	2	25			3 0	0		0.0
1	Oats,		,	4·1 70		50	1 8	7		60
1	HEMP, Russia, clean,	ton	215		220)	•			
	Do. Country		150		130)	, .			
	HOPS,	lb.		24		31	3	7		
	HOGS' LARD, LEAD, Pig	<u>lb.</u>		61		7		-		
	Bar	_		8		81		-		
	LEATHER, Soal, best,	_		23		24		2		
1	MOLASSES, sugar-house Havana, 1st qual	gal.		45 28	9	283	69 37			75
	NAILS, 6a20d	lb.		61		. 0 11		9		
1	NAVAL STORES, Tar,	bhl.	1	25				1		
i	Pitch,		2	25 50				1		
t	Turpentine, Soft, OIL, Whale, common,	gal.	1	30		31	4	0		
	Spermaceti, winter .	-		68		70	8	S		
-	PORK, Baltimore Mess,	ppl	11	00						
3	do. Prime, PLASTER, eargo price,	ton.	8	50	9	00 62				
1	ground,	bbl.	1	50		-				
	RICE, fresh	lb.		3		31		0		6
	SOAP, Baltimore White,	Ih.		12		7년	1	8		20
	Brown and yellow, WIIISKEY, 1st proof,	gal.		5 ½ 29		30	3	8		12 50
s	PEACH BRANDY, 4th pr			75	1	00	1 2	5		
-	APPLE BRANDY, 1st pr		10	36				0	1.0	
t	SUGARS, Havana White, do. Brown,	c.lb.	13	50	9	50	15		16	
-	do. Brown,		7	75	9	50	10		11	
	Loaf,	lb.		19		22	2	0		23
	SPICES, Cloves,	-		70		75		0 2		
-	Ginger, Ground, Pepper,			7 17		1		5		
;		bush		43		45		1		
1	Liverpool Blown	-		45		45		3		
=	SHOT, Balt. all sizes, . WINES, Madeira, L. P.	ewt.	9	00 50	3	00		0	4	
1	do. Sicily,	gai.	ĩ	20	,		2 0	0	. 1	
9	Lisbon,	<u> - </u>	1	15				0	1	75
t	Claret,	doz.	4	c -	8	00		0	9	00
-	WOOL, Merino, full bl'd	gal.	1	65 35	5	40	1			
	do. crossed,	_		25		30				red .
-	Common, Country, .			20		23		gs		z e f
	Skinners' or Pulled, .	_		25		30	J			
-			_						-	-
1	Printed every Friday, at	\$5 D	er	ant	nun	a, fe	or J	OI	IN	S.

SKINNER, Editor, by John D. Toy, corner of St. Paul and Market streets, where every description of Book and Jub Printing is handsomely executed.

AGRICULTURE.

ON SMALL GRAIN-FALLOW CROPS, AND GRASS LAYS.

[From Lorain's Husbandry.]

Remarks on putting in small grain on stubble ground the practice recommended by the author. Observations on the value of grass lays, and the proper cul-tivation of them. The red clover plant is destroymentation, properly directed, is the main spring of vegetation.

THE worst system of cultivation in common practice seems to be stubbling in, or annually putting in crops of small grain on stubble grounds. This is too generally practised every where, but espe-cially in the back-woods, until weeds and poverty of soil united, reduce the product so much that the crops fall far short of remunerating the cultivator for the labour bestowed on them. When this happens, he generally resorts to a naked fallow. This is too often badly executed. Still, many of the weeds that would bave choked and robbed the plants of much nutriment, are destroyed; consequently, the product is increased in proportion to the food remaining in the soil, and the cultivation bestowed on it.

A naked fallow is certainly a very laborious and injurious practice. It is also equally certain that any soil may be much better prepared for a succeeding crop of wheat, or any other small grain. by a fallow crop properly ordered. Still, a naked fallow should be allowed all the merit justly due to it; especially by those who mean to controvert

that practice.

When it is well executed, the soil is finely divided; the animal and vegetable matter which was before locked up in the hard clods of earth, inpervious to the roots of the plants, is brought into more immediate use; the enriching and fertilizing matter floating in the atmosphere is more freely ab sorbed, and better secured, by an open, free soil than when it rests on one of a contrary description; the roots of the plants are also enabled to Jip deeper, and spread wider through the soil, it search of the nutriment provided for them. It is true, if the ground be very sandy, a naked fallov, by opening the texture, makes it less fit for the costs of plants, and causes much injurious evaporation from it; likewise, when an adhesive clay has been finely pulverized, heavy rains, succeeded by a hot sun or drying winds, cause it to bake, and become impervious to the roots of plants: but, except the advantage derived from the shade of the fallow plants, the same happens, both in cay and sand, when the soil is prepared for small grain by a fallow crop cultivated in the usual way.

Jethro Tull, the ingenous inventor of the drill husbandry, grew exhausing crops annually on the same ground, without the aid of manure, although

his soil seems to have teen thin.

Sir H. Davy says, "Jethro Tull, in 1733, advanced the opinion, that minute earthy particles supplied the whole nourishment of the whole vegetasince I read Mr. Tull's book on agriculture. If my memory be correct, he attaches more consequence

to the depositions from the atmosphere than Sir H. ploughers and croppers reside. Like the locust in Mr. Tull's practice alone is sufficient to determine with which she carefully counteracts so much of that vegetation is greatly promoted by finely divid- the injury done by this class of farmers, as to preing the soil, particularly when the cultivation is extended to the growing crops. The practice of ages cultivated by them. clearly shows, that much more is to be expected A degree of merit is justly due to a naked fallow from a naked fallow than too many advocates for pares much food for plants by finely dividing the executed in the usual way. The disadvantages fallow crops seem to believe. Still, if Mr. Tull had soil, frequent plaushing and harrowing anature and harrowing and harrowing and harrowing and harrowing and fallow crops seem to believe. Still, if Mr. Tull had soil, frequent ploughing and harrowing are calcuarising from that practice considered. The usual lived until he had divided the soil sufficiently often lated to scatter much animal and vegetable matter mode of cultivating fallow crops contrasted with to have extracted the animal and vegetable matter in the air, especially while the soil is continually that the undivided clods contained, also to have de- exposed to the injurious effects of the sun and air; composed the hard vegetable substances which are and unless the bad effects produced by this process always more or less seen, in greater or smaller be counteracted by excellent management in other ed by frequent mowing and close pasturing. Fer- quantities, in all soils, his opinion respecting en- respects, it will eventually ruin the soil. If this riching manures would have been greatly altered; practice be pursued, under the best mode of maas was that of Mr. Duhamel, a distinguished agriculturist of the same school, but who lived long provement in the soil will be slow indeed, when enough to see the fallacy of this inconsiderate theory, and also to abandon it.

seems to be derived from a naked fallow, I will enu- are profitably employed; while in the former they

consequences arising therefrom.

It is an expensive practice. First, the loss of them. one full year's rent of the soil; secondly, it must be within the soil, that they will grow in sufficient formed. numbers to do great injury to the crop, especially

termine the contrary.

general to withstand much more than the heat of a the injurious heat of the sun.

seems to imagine, and appeared to believe they Egypt, they would soon destroy every green thing, were conveyed to the soil by the dews. However, if nature had not reserved seeds for ages unburt,

Although it is granted, that a naked fallow prenagement that superior talents can devise, the imcompared with that which may be readily effected by the practice of fallow crops properly ordered. Having candidly stated every advantage that It is also evident, that in the latter case the grounds merate the very serious disadvantages and injurious yield nothing, although the farmer is spending much money in the very laborious cultivation of

No improvement made in agriculture, has profrequently ploughed, harrowed and rolled. After moted the interest of it so extensively as the introthis, it often happens that much manual labour is duction of fallow crops. Yet it seems evident, that necessary to break the clods, especially when they the various different modes which have been are firmly bound together with the roots of the generally pursued in the cultivation of these crops, grasses and weeds. These are pushed about by the plough, dragged by the harrow, and sunk into the soil by the roller, but not sufficiently separated mote the product of either, or to enrich the soil, to by any of them. The remains of them, together any thing like that extent which might be readily ef-with the more finely divided grasses and weeds, are feeted with much less labour and expense, if a prodragged up into heaps by the harrow throughout per system of cultivation were pursued. If, how-the whole field. These are raked up into larger ever, distinct parts of the very numerous and disheaps and burned, by some cultivators; others suffer them to remain, and when the seed is sown, the different practices that are commonly pursued by harrow, by dragging the heaps, drags up much of different cultivators, it appears that nothing is of-the seed with them; and vegetation is destroyed fered by me which has not been more or less saucwherever they may happen to tie. In either case a tioned by the actual practice of others. Therefore, great waste of vegetable matter takes place; for the merit of my system of husbandry does not conwhen it is not burned, its best properties are exhal-ed by the sun, or scattered in the air. Numbers of tion of ages have introduced; but in uniting into men, women and children, are sometimes seen in one system such practices as are consistent with England breaking the hard matted clods into pieces, nature, reason and common sense; rejecting those raking them up into heaps, and burning this very only that seem to be inconsistent with either. The valuable vegetation; which, without any of this undertaking is ardnous, especially when ventured enormous waste of labour, might have been very upon by a plain practical farmer, who depends not profitably applied to the growth of the crops and on science, but on nature, reason, practice and ob-improvement of the soil. After the utmost care servation. In a work of this sort, errors are to be has been taken to prepare a naked fallow in the expected; still, as these errors cannot be capital, usual way, a multitude of the roots and tops of the but little injury is to be expected from them, before grasses and weeds remain so intimately mixed they may be corrected by others who are better in-

Agriculture will never reach its zenith, until the if the weather happen to be dripping during the value of grass lays is sufficiently appreciated, and process of cultivation. In that case, the moisture the cultivation of them much better understood. preserves the vegetative powers of the grasses and The value of a clover lay, when applied for wheat, weeds, and the crop is sure to be much injured by is well known; still, most farmers continue frequent mowing or close pasturing, until the clover is near-The seeds of the weeds are as often turned under ly run out. This greatly impoverishes the lay; and as uppermost by the usual mode of cultivation; unless the soil be rich, the wheat crop is light. The consequently, many of them do not vegetate during clover plant cannot withstand frequent cutting, even the process; and those that are not buried beyond during the first season it is mown. This causes the the power of germination when the small grain is lateral roots of the plants to become weak, and insown, will grow and injure the crop. If dung is capable of holding the tap-roots in the ground; and applied for the small grain, it is generally spread they are thrown out by the frosts of the ensuing previously to seeding, and turned under by a shall winter and spring. The same happens if red cloplied the whole nourishment of the whole vegetable world; that air and water were chiefly useful in producing these particles from the land."* If Sir low furrow; of consequence, it produces a plentiful wer be pastured, unless a well grown covering of the description of the grass be preserved, especially to description of the grass because of plant be thus defended, it will far better withstand In fact, if nature had not calculated seeds in not only the frosts in the winter and spring, but also

fermenting dungbill, the earth would long since Both red clover and speargrass lays are very have been stripped of vegetation, particularly where justly esteemed, by many farmers, as the best pre-

to save labour, or from a just conviction that the tests, the London Price Currents, I find British Meject, I submit the following as at least a probable value of the crop is also greatly increased, do not rino wool quoted at 1s. 6d. a 2s. per lb., and South theory, which may be easily tested by experiment: turn up the sod in the cultivation of the fallow down the same; when Saxony (or pure Merino, as plants. Too many of them, however, as well as I should term it, is quoted at 6s. 6d. a 8s. 6d. This has the same origin in all countries, it is a legitiother cultivators, believe the health and vigor of simple fact speaks volumes in favour of maintain—the plants are greatly promoted by harrowing over ing the stock pure. Both Parry and Sebright, I bethem while they are young. Some, also, use har-lieve, wrote in 1809. Are there not more recent quent to the shearing. The Spanish and French rows with sharp cutting times, for the purpose of publications on the subject? cutting through the sod deeply, and as near to the stems of the plants as may be conveniently done without cutting or tearing up. These practices are Trinidad, had arrived there, and was desirous of worked into cloth. The Science are shorn; it is stated then scoured in hot water and packed; in this state without cutting or tearing up. These practices are certainly opposed to the economy of nature, and the enlightened reason of man. None of these gentlemen would wound, bruise, or mangle a young lar to the potato, but much less flatulent—said to be an established fact, that wool packed in its yolk and animal, to increase the health and vigor of it; neither would they rend and tear the choice trees in digestion that it is usual to give it to convalescents ed, and that for a considerable time—i. e. a given their nurseries, to make them grow better; although less evil would arise from mangling them, as trees of a large cow's horn. I should be glad to hear if out scouring, will be found to contain more wool are calculated much better to withstand and out- this root has been introduced and cultivated, and after being so packed for six months, than if scourgrow this very manifest injury. The practice of with what success. mutilating the tops, and separating the roots of plants from their stems, for the express purpose of causing them to grow much more luxuriantly, is not confined to maize: potatoes, and other hardy plants that are capable of withstanding this truly barbarian practice, are too often subjected to it.

Although some farmers do not turn up the sod in the cultivation of maize, all of them, so far as my observation extends, plough it up previously to seeding the small grain that follows this plant.

This exposes the rich matter arising from the fer
concerning the culture, &c. of lucerne. The follow our large wool growers. I would recommend them This exposes the rich matter arising from the fermentation of the roots and tops of the grasses, and the dung also, if that has been applied, to a serious waste. It is exhaled by the sun, scattered in the winds, and washed away by the rains and melting snows: fermentation, which is the main spring of vegetation, is checked. None of these evils happens clover, sain-foin, &c.; the kind of soil on which it when the small grain is put in by a superficial cultivation, as the rich fertilizing matter remains securely buried within the soil. This nature applies, with the least possible loss, to the use of the cultivated crops and the grasses following, and with the tentive to providing hay for the winter consump-overplus she enriches the soil. The fermentation tion of their stock than formerly. A few years ago, and decay of this enriching matter more effectually not one in a hundred, taking the county through, expands and minutely divides the soil, than can be done with the plough. The plough, harrow and the offal of their wheat and corn crops afforded. roller, with too often the addition of very expensive manual labour, are capable of pulverizing the soil to any desirable extent. After this has been done, it settles, and too often becomes impervious friend, (for I never saw it grow,) that lucerne is the cloths: to the roots of the plants, unless the ground be so best of all the grasses which thrive in our climate place, when the soil is cultivated in the usual way. obliged by your compliance with the above request.

It should also be recollected, that every crop which is sown broadcast, principally depends on the expanding force of fermentation to keep the soil open and mellow, for the ready admission of the roots of the plants; likewise, that when the grain is filling, the plants require the most nutriment; and that previously to this the soil is considerably consolidated by time, unless it has been kept open and mellow by the fermentation of the animal and vegetable matter contained in it, or consists principally of sand. In the latter case, the lack of animal and vegetable matters causes much injurious evaporation of moisture. This, if the season does not happen to be dripping, greatly reduces the product of the grounds.

SHEEP.

Extract of a letter to the Editor, dated Holmesburg, 25th March, 1826.

out with the subject of sheep, I would ask the sim- American, is uniformly loose and spongy.

ple question of your correspondent Curwen, what It is important to the wool grower, as well as the other attempts to place the finest wool on the hand-preparatory to which it will be necessary to discover Rensselaer.

extremely grateful to the stomach, and so easy of grease will continue to organize after it is so packwith weak stomachs; growing to the size and shape weight of wool packed in its yolk and grease with-

I remain, dear sir, your most obed't. W. J. MILLER."

INQUIRIES RESPECTING LUCERNE.

Kent county, Md.

The Editor of the American Farmer will confer ground of the cloth thick but not firm. a favour on the farmers of this county and promote ing points, particularly, should be noticed, viz:

ground; the quantity of seed per acre. Whether it be packed as soon as it is dry, and in four or six should be sown alone, or mixed with other grain or months afterwards put it in the hands of some skilgrasses; its comparative value in respect to timothy, ful manufacturer to test the result. thrives best; whether lucern is more profitable as a hav or when used for soiling.

Our farmers, though still far behind their Pennsylvania neighbours, are becoming much more attentive to providing hay for the winter consumpever thought of making any provision beyond what Very few still, think of having any green food for their cattle in summer beyond the scanty produce of their worn-out pastures. Having heard from a rich, that it is not materially affected by the loss of for summer use, I wish to introduce its culture in the animal and vegetable matter which always takes this county; and for this reason, will be greatly Editor Telegraph, Chestertown.

> JOHN S. SKINNER, Esq. Editor Am. Farm., Baltimore.

culture of this invaluable grass for soiling. We Pendleton, of Dutchesscounty, was pronounced to should esteem it a favour to have further sugges-be the finest exhibited. It was of the Saxon tions from those who know the mode of culture, breed." and its usefulness from experience.]

SHEEP.

(From the New York Statesman.)

TO WOOL GROWERS AND MANUFACTURERS.

It is well known that American and Saxony wool do not make cloth of so fine a texture as the French in the country,* wrote, to several of his friends, at sheep, are all originally from Spain, yet the French and Spanish wool will make cloth of finer texture, me, without permitting me to know from whence or "Were it not that I imagine you must be tired whilst that which is fabricated from the Saxony and from whom they came, with a request that I would

has been the actual results of Dr. Parry's, or all the manufacturer, that this defect should be removed,

paration for a fallow crop of maize. Some, either somest carcass? When I refer to the most certain the cause. Having turned my attention to the sub-

As the animal from which we obtain fine wool ed when taken off the sheep's back. I apprehend that the wool formed after the fleece is taken from the living animal, is but imperfectly organized, that it is more greasy than genuine wool, and that in the process of fulling, instead of creeping into shorter lengths by the friction of the hammers, it has a tendency to slide over each other, making the

I do not consider this as an indubitable theory. at their next shearing season, to have a part of their The time of sowing; the preparation of the fine wool sorted and scoured soon as shorn-let this

HOPSON.

SHEEP.

(From the New York Statesman of March 28.) OHIO AGAINST THE UNION.

We are happy to insert the following interesting challenge from one of the most extensive woolgrovers in Ohio. It will, we hope, he the means of exiting a noble and useful competition. Such an exhibition as Mr. Dickinson proposes, could not fail of benefitting the agricultural interest, and advancing among us the manufacture of fine woollen

Steubenville, Ohio, March 20, 1326.

To the Editor of the Statesman.

GENTLEMEN, I observe in your paper of the 21st

ult the following "Fine Wool.—We are informed that some of the principal manufacurers and wool-growers assembled at Washington during the present session, ex-[Several publications have been made in previous hibited specimens of wool from various parts of the volumes of the American Farmer, in regard to the United States, and that a sample sent by Judge

> I was the only woollen manufacturer and woolgrower, who attended at the late exhibition at the city of Washington, and I state with entire confidence that there were no samples of fine merino

then presented for exhibition.

Some time in January, a member of Congress from New York, a gentleman of the first standing and Spanish. The French, Saxony and American my particular desire, and procured from them speexamine them carefully and give an opinion upon

* Reference, we presume, is made to General Van

each. I did so, and I take great pleasure in stating that they were indeed, all beautiful samples of fine merino wool, and the one which I preferred to the others, came, as I was afterwards told, from the flock of Judge Pendleton. Those samples were, however, exclusively from the state of New York; and this statement is not made with a view to disparage the flock of any gentleman, but simply to state the facts which occurred.

I entertain the belief that there are pure Merino sheep in Jefferson county, in the state of Ohio, as fine wooled, as can be found in the state of New-York, or indeed any other state in the Union: and in order to test the soundness of this opinion, I will exhibit, in June or July next, at Philadelphia, or Baltimore, fifty or one hundred fleeces, (washed or unwashed) from my own flock, to be compared with a corresponding number of fleeces from the flock of any other gentleman in the U. States, under the direction of an impartial committee, (from the Franklin Institute, if in Philadelphia,) whose duty it shall be to call in wool assorters, master workmen, to determine on the relative value and fine quality of the wool. The details, however, can be readily settled hereafter. I invite the owners of Saxony sheep particularly to this notice.

I have often thought that an exhibition of Merino Bucks, periodically, at some central point, in the U States, (near Baltimore for instance,) would be attended with good consequences, and I mentioned the subject to J. S. Skinner, Esq., Editor of the American Farmer, who takes the deepest interest in all such matters. He seemed to think well of it, and appeared disposed to encourage it. It would certainly excite a very laudable emulation.

We presume that a fund might be made up by the parties, and that a silver cup might be awarded to the owner of the finest woolled ram-and one to the owner of the finest formed ram.

There is an opinion inculcated, that the Merino sheep have not good forms. This prejudice (and such it is,) would soon be done away, for I certainly have in my flock, ewes and rams, as perfectly formed, in all points, as can be found in any other

description of sheep.
I am, respectfully, your obed't scry't, W. R. DICKINSON.

SHEEP.

There are 3,496,529 sheep in the state of New York; and there are also nearly, if not quite as many in Pennsylvania. The whole number in the United States, is estimated at more than fifteen millions, and rapidly increasing.

RECENT. SALE OF WOOL.

(Reported for the Daily American Statesman.) By Coolidge, Poor & Head—under \$2000, 6 months; \$2000 and over, 6 and 9 months.

proof and over,	o and a	monuma	•	
Vool, common	600 lbs.	per lb.	25	a —
15-16 to full blood	500	""	33	a —
15-16 to full blood	400	27	36	a
3-4 to 7-8 "	1200	22	28	a —
Lambs', unwashed	500	11	20	a —
7-8 to 15-16 blood	500	22	37	a —
All full "	1120	22	26	a 41
Low grade	400	ź,	32	a —
Foreign	800	22	16	a —
3-4 blood	3600	22	36	a —
1-2 "	2500	17	33	a 35
Full bl. sel'd fleeces	5500	22	50	a 52 ±
" and high grade	1700	37	451	a —
	4200	31	39	a 40½
" " in bags	10 bag	s ''	41	a —
Low gr. and com.			31	a —
Full bld., half Sax.	5500	22	53	a 69
High grade		23	42	a —
å to å bld., cl. w'd.	1100	22	43	a —

	Full bl. sel'd fleece	800		19	51	a —
		200		11		
	Full bl mant Com 1			11	46	a —
		800			6 5	a —
	Clean wash'd, full	200				
		600		21	60	a —
		000		3)	67	a —
	Full blood 4	900		71	46	a 512
	Full bl., unopened	13	bags	22	46	a —
	Lambs', unwashed		6-			
		5	bore	19	C A	
	unopened	3	bags		24	a —
	2d qual. high grade,					
		000	lbs.	22	37	a —
		000		"	36	a
	1st qual. unw. Ohio 2	600		57	24	a —
	2d qual. " 3	000		79	21	a —
	blood, cl. washed 1			71	35	a —
		400		"		
		400		"	37	a 38
	High grade, New					
		500		72	40	a
	" " unopen'd	26	bags	3.7	40₺	a —
	a & blood, N. York		. 0			-
	washed 1	500		91	39	0
			h	22		a —
	a a bl. N. Y. unop.	20	nags		372	
	½ a ¾ bl. " washed 1	350	lbs.	17	32	a —
	± 58 bags, same			23	31	a 32
	Tertia Saxony	6	bales	22	63	a —
	Secunda Saxony	13		27	68	a —
	Second Prima	13		97	81	
		_		22		a —
	First Prima	5			96	a —
	Electoral	4			43 a	1.45
	Spanish	43		17	26	a 312
	å and å blood	- 8		"	36	a —
		800	lhs	"	25	a —
		461	1004	91		
				"	46	a 47
		024			40	a —
	Full blood 1	780		77	44	a 46
		800		79	33	a —
	Full blood, 7 and 3	12	bales	23	87	a —
	Secunda Saxony	14		11	63	a 65
	Spanish	6		11	41	
				22		a —
	Smyrna, washed	20		12	20	a 22
	Smyrna, unwash'd	20				a —
	Adrianople, wash'd	5		"	20	a —
	Smyrna, 1st qual.	37		22	121	a —
	Smyrna, 2d qual.	5		21	91	a —
	Fine Sax. in fleeces	7		>>	61	a 75
	Segoviano, superior	6		22	73	
				12		a —
	Spanish	9	11		42	a —
		500		"	35	a —
	Merino	6	bales	"	41	a —
	Grade and full blood	7		22	31	a —
	Merino	10		22	37	a 42
	Carpet wool	3		12	14	
	Spinning od qual					a —
	Spinning, 2d qual.	2		"	18	a —
	Black	2		22	22	a —
	Lambs	2		"	42	a —
	Full blood	15		"	35	a 45
	Native grade	9		11	28	
		5		21		a —
	1st quality spinning			"	36	a —
	Smyrna unwashed	6			10	a —
	Extra super Spanish	11		33	62	a 64
	Super	5		"	41	a —
		115		22	35	a —
	4400 lbs. wool			,1	19	a 20
		3 8874	00 000	eida-		
	sides the above, there	o Wa	as con	aider	anie	more
ı	sold, but in small lo	ots,	and a	quar	itity	with-

В wool drawn.

POTATOES.

"It is really a great shame, and a serious grievance," said a person to me this morning, "to pay such an extravagant price for potatoes. I have just paid a dollar and seventy-five cents a bushel for two bushels of English potatoes." As may be readily imagined, I concurred in this opinion.

the refusal of our farmers to grow the things we without just cause,) of bad potatoes. I have nowant, and which would pay them well; and their ticed a number of scientific disquisitions upon the

want, for which there is no adequate foreign market, and which consequently cannot, and does not, pay them, as well as potatoes, or flax, or hemp, or wool. all of which we could grow in abundance, and of all which we import largely, and pay high prices, because our farmers will not raise them, but will raise wheat and rye, &c. I have conversed on this subject with intelligent farmers from all parts of the State; and they all agree, that for five-andtwenty years, every year, on an average, potatoes have been the most profitable crop raised by our farmers, yet they do not grow them in sufficient abundance. They leave us dependant upon countries three thousand miles off, where an acre of land. rents, tythes and taxes, costs more, in one year. than would purchase, in fee simple, as much land of as good a quality, near our markets; I say they leave us dependant on those countries for our daily food, while their barns groan under the weight of their bread stuffs, for which they cannot find a profitable market.

This to me is inexplicable, and it is not made in the least more clear and intelligible, by a visit I lately had from a sensible, well educated, industrious farmer. To my great surprise, he told me that the duty on potatoes was not high enough, and that the farmers would not turn their attention to the raising of potatoes, until the govornment bad prohibited their importation. As I live this is true! and, the man who said it, is such a man as I have represented him. Can it be possible—no, I will not believe it—that he is not in error? That nothing should be wanting to excite our special wonder, this gentleman, whose farm is within ten miles of Philadelphia, and who is well acquainted with English, as well as American farming, says he can work his farm here, at as little expense, for labour, as he could in England.

Will this gentleman himself, or will some other practical and intelligent farmer, do the country the service to put their thoughts to paper on the subject of growing potatocs. It is one of great importance. There is no root we so much undervalue. Pray, my good friends, give information as to the best mode of selecting the hest seed—and of planting and bringing it to perfection. If you understand it, treat, also, of the best mode of cooking them, and

of the various uses to which they may be applied.

Such a treatise would be of advantage to the country, and I should feel under obligations to any qualified persons who would write it. Those who have not time to embrace the whole subject, would do well to communicate such information as they may possess, in such manner as they may think best. I am also of opinion, that more flux, hemp and wool could be profitably grown in the United States. Dem. Press.

[The dryness of our summers is the great obstacle to the cultivation of this invaluable esculent, in the Southern states. Many people planted last year, and after every care in the preparation of the ground and the culture, did not gather as many as

they planted.
Through Commodore Chauncey, from Commodore Hull, we have lately received a box of the indigenous Irish potatoes of Peru. We have placed them in the hands of Mr. B. F. Mackall, of Cecil county, who will, if it can be done, derive valuable varieties from these original roots.—Ed. Am. FAR.]

ON THE CULTIVATION OF POTATOES.

(From the New England Farmer.)

Worcester county, Mass., 4th mo. 10, 1826.

There have been grievous complaints by the There are few things which puzzle me more than people of Boston, for a number of years, (and not persisting in growing the things which we do not subject, but none that exactly accords with my

views. However incorrect I may be in my conclu- general observation and inquiry upon the subject by using the plough more and the hoe less, that ter dung, and ploughed it in; round, fair and midin the usual way, two in a hill; ploughed and hoed twice. The succeeding autumn they yielded a gond crop of mostly round, fair and handsome posuperior quality was noticed by all who ate of them I now considered that these potatoes had regained their original good quality, and that it was effected up, and find my pasture benefitted by it. I will add regard to a good stand, by selecting the seed only—but it was an erroneous no more to the subject this time, but submit the "Permit me to suggest the subject this time, but submit the "Permit me to suggest the subject this time, but submit the "Permit me to suggest the subject this time, but submit the "Permit me to suggest the subject this time, but submit the "Permit me to suggest the subject this time, but submit the "Permit me to suggest the subject this time, but submit the "Permit me to suggest the subject this time, but submit the "Permit me to suggest the subject this time, but submit the "Permit me to suggest the subject this time, but submit the "Permit me to suggest the subject this time, but submit the "Permit me to suggest the subject this time, but submit the "Permit me to suggest the subject this time, but submit the "Permit me to suggest the subject this time, but submit the "Permit me to suggest the subject this time, but submit the "Permit me to suggest the subject this time, but submit the "Permit me to suggest the subject this time, but submit the "Permit me to suggest the subject this time, but submit the "Permit me to suggest the subject this time, but submit the "Permit me to suggest the subject the s conclusion.

The third year the seed was selected as before; a and practical farmers. part of the same field, ploughed and manured in the same way as the year before, was planted. Some of the selected seed was also planted in a field that had for a number of years been cultivated; here, several rows were dunged in the hill with fine mixed manure, and about as many with only a handful of plaster. In the fall I commenced digging nearest maturity, I began upon them first; I found their appearance different from those raised the year before; more long ones—some part eaten by worms, and others with small ones attached to them by narrow necks. They were cooked, but inmiddle and others hollow. I next dug some of those that were plastered; their appearance was better; less small ones, no effects of worms, but less in a hill—when cooked they were somewhat better than the others, but very inferior to the second HINT FOR A ROTATION OF CROPS IN year's crop. Here my scheme for the improvement of run-out potatoes was for a moment frustrated; however, the next trial was upon those in the new field. Here the hills afforded a good yield of round, fair and clear potatoes; when boiled they were about as good as the second year's growth -but nothing improved. I continued experiments, (always careful in the selection of seed,) and the fourth year ploughed and fenced with posts and rails, a piece of green sward in my pasture; harrowthe best of potatoes, (some of these I sold in Boston for 50 cents, when there were plenty in the market "The for 30 and 33 cents.) I also planted around a cornyears in succession-winter dung ploughed in, and from your farm yard. fine mixed manure put to the hills; these potatoes "The next year plants." yielded as well, and perhaps some more than those in the pasture, but they were more deformed and hill or drill with cotton stalks, planting the step or less farinaccous, and in the following spring there space with peas for seed, &c. was a great difference in the potatoes. I now believed that to raise good putatoes, and to preserve manuring of peas; second, with cotton, manured There are few persons who frequent the Boston undiminished the quality of the kind, that some with animal manure, &c. and third, with corn and market between the early part of autumn and thing more was necessary to be observed, than the peas, manured with cotton-seed. Each year you spring, but must have noticed the exhibition of the selection of the seed. Therefore, for myself, I will have in, five acres of oats, five of cotton, and fine finel called Mongrel Geese, that are sold readi-

sions upon the subject, I may run but little risk in stating, what I think I have satisfactorily ascertained, to be the best method for me, on my land, for green sward land, two, and not to exceed three in the peas, &c. by which both the difficulty as to insuring good potatoes. About fifteen years since, years in succession. Thirdly, to use no other than grass is greatly diminished, and the cultivation of I purchased some of the common blue potatoes for seed. The seller said the potatoes had herctofore hills or vines.) for manure dressing, to spread this much lighter.

J. J." been very good, but he thought they had lost their and mingle it with the soil; this being generally good quality, and that by changing them (as the free of worms, and its decomposition will be about phrase is,) they would do better. I was young and the time the roots of the potatoes need its nourishinexperienced, but I had no faith in this hypothesis. Ment. And fourthly, never to plant them on a wet However, the potatoes were ill-shaped things, and, or clayey soil. By observing these particulars, I when cooked, as free from any farinaceous appear- have always had good potatoes; my blues I still ance as a pickled cucumber. I planted them on a keep, and I don't know that I could find better, notpiece of land that I was subduing, dunged them withstanding some thought them run out more than tious. It opened very early, and after thus persuadlightly with winter dung, which was spread and fifteen years ago. Whoever is disposed to adopt ing the planter to put in his crop of corn too soon, harrowed in. The crop was middling, and the po- the above method and perform it, will no move be severe frosts set in which together with the greattatues for autumn and winter eating, tolerably good, troubled with the disagreeable tang of rank and est drought recollected at this season, have injured The next season I manured the same land with win- watery potatoes-and for what they have to spare, that crop greatly. Owing to the great drought, the citizens of Boston, I presume, will willingly pay smalt-grain crops look very unpromising, particulardling sized potatoes only were selected from the them a good price. I am of the opinion that good ly outs, which were late in putting in, owing to the previous year's growth, for seed; they were planted potatoes for table use, are seldom produced from severe and wet winter we had. fields that have been long and highly cultivated.

"This is now about the close of cotton planting Perhaps some of the agriculturists near Boston may with most of us. but the drought has prevented that good crop of mostly round, fair and handsome pobe induced to try the experiment, if it has not been which was early planted from coming up as it tatoes, and for eating 1 never saw better. Their particularly tried. 1 continue to plough small ought; and what does come up looks sickly. Unless pieces in my pasture, when I have no green sward rain and warm weather, especially warm nights, of a number of years' standing that I wish to turn shall set in shortly, much is to be apprehended with foregoing to the better judgment of experienced beneficial to the Agriculturists of the South, if a

POTATOES.

(From the New England Farmer.)

Ryegate, Vt., April 21, 1826.

On the third of May, 1825, I selected twenty successively of the three different plantings for blc, ten of which I planted whole in the hills; the table use. Those dunged in the hill, appearing other ten I cut into four pieces each, and planted in good handsome potatoes, as near of a size as possiten hills, in a parallel row with the other, four pieces in each bill. On the 28th day of September I dug the potatoes and weighed the produce of each row by itself. The row in which the ten stead of being sound meally potatoes, they were of and the row that was cut into quarters, produced an ordinary quality—some had hard balls in the 77 lbs. 4 oz. The rows were contiguous to each whole potatoes were planted weighed 46 lbs. 12 oz., other, and the soil exactly the same. No manure was used.

THE SOUTH.

1st year, Oats, (5 acres to the hand.) 2d year, Cotton, do. do. do. 3d year, Corn, do. do. do. METHOD.

"In July, when the oats are cut, turn in the stubble, &c. with a dagon. Sow about a bushel of cow peas to the acre, broad-cast and harrow them in with an iron-toothed harrow. Before frost turn in ed in coarse dung, and had an excellent crop of the green pea-vines with a dagon, and harrow the

thus treated, manuring in the drill with your animal field two rows; this field had been ploughed four manure and straw, cotton stalks, corn stalks, &c.

> "The next year plant your corn on the land occupied the year before with cotton, and manure the

"In this way go on; first with oats followed by a DEAR SIR,

Newberry, April 21, 1826.

PROSPECT OF CROPS.

Extract of a letter to the Editor, dated Newberry, April 21, 1826.

"The Spring in this quarter has been unpropi-

"Permit me to suggest, whether it would not be prize should be proposed for the best essay on the duties of overseers or managers, in the form of an address, to persons engaged in that employment. Every thing in the slave-holding states depends on their conduct; and until they shall be not only well instructed in their duties, in all their branches, even to the most minute details, but suitably impressed with a sense of their obligation to observe them faithfully, agriculture must languish amongst us."

Frederick county, Va. May 2, 1826.

"Our great staple, wheat, is uncommonly promising on this side of the ridge, as the Spring has been very favourable. No marks of the fly are yet to be seen, and I would prognosticate, though the ides of May have not yet passed with it, we shall mainly escape its ravages this Spring. Last season you were desirous of information about the New-York White Flint wheat, the experiment was too partially tried in the part of the country then to afford satisfactory information; this season will probably test its value. I should pronounce it productive, and possessing an astenishing property of throwing off the effects of injury by the fly. In October last a few acres of it, which came up well was assailed, and exhibited an appearance of speedy ruin--in the course of November its vigorous resistance bid fair to overcome the injury and long ere this its triumph has been complete, promising a great crop. It was the only wheat of three kinds seeded, that was at all injured last fall, and I autribute the circumstance to its contiguity to a rye lot which was seeded in August, and completely destroyed by the fly. This is not the first time I have suffered by sowing rye "The next year plant your cotton on the ground so very early-- by this imprudent practice a succession of food is kept up for the fly.

RURAL ECONOMY.

MONGREL GEESE.

(From the New England Farmer.)

Brighton, Jan. 3, 1826.

adopted the following method, from conclusions five of corn. Perhaps fifteen acres is a little over ly for double the price of common geese. And drawn from the foregoing experiments, and from the mark to the hand; if so, say less. But I think those who have partaken of them at the hospitable

tables of the Bostonians, or on their own, must be of the legitimacy of the remainder, will guard them four or five times a day, but not oftener; and on no satisfied that, comparatively, they are not overrat- most serupulously, become attached, and mate with account sweeten the food: it weakens the stomach. ed—even from the extra quantity of meat on their each the next year; when all the geese of the brood and makes the child cat more than is right. No carcass, besides its superior delicacy and tlavour. will produce mongrels by him, and for many years butter, nor spoonfuls of wine or punch, but every The expense of keeping them, especially if they have an extensive range and access to ponds or runwhen a wild grander is mated with a tame goose, by sible in the open air, danced, and animated, and ning water, is less than for the common kind, as removing the mongrel eggs and pursuing a similar talked to, not kept moningly nor stupidly in the they grow faster with less feeding: and it is said course. By one or both of these methods, I think nurse's arms. Put them early to the use of their they are more hardy and fatten easier. But being it may be fairly assumed that the number of mon-limbs, leading them about by the hand. When they the offspring of wild and tame geese, their multi-grels by each wild gander will be at least quadruplication is much more difficult.

liar to North America-none having been seen in ger of spoiling the market. Europe, until they were introduced as a natural of the numerous flocks that pass over us are known properly directed, makes the mill go to breed in high northern latitudes; but by far the greater portion pass Hudson's bay, pursuing their course still further towards the pole, and enjoy the summer in regions hitherto unexplored by man, doubtless as delightful to them as those in the same quarter are in the imagination of the ingenious gentleman at the west, whose theory seems to attract attention.

they have to breed and prepare their young for so and musty. long a journey, they lay but few eggs-never exceeding seven. Being of a distinct species from the domestic goose, their mongrel progeny are hybrids or mules, and do not breed; although, when two or three years old, they will make nests and lay eggs, but there has been no instance of one ever being hatched. 'They are of course killed the first year, and have the valuable property of retaining their excellence for the table in the spring, when the common domestic kind are worthless.

Having lately had occasion to investigate the habits of this race, for the purpose of illustrating facts connected with another subject of natural history, my inquiries were directed to several intelligent persons who had been accustomed to rearing them, and particularly a respectable farmer, of ungoose also. The wild gander, still feeling assured excellent nourishment where allowed. Let it be fed tone of voice evident marks of displeasure, may call

grels by each wild gander will be at least quadru-pled. And as plenty, especially of good things, al-the cause. When they get ill, apply at once for me-The wild goose of our country is a species pecu- ways increases consumption, there will be no dan- dical skill. Let the nursery be the largest and best

curiosity, from Canada, at an early period of the troduced into the important field of rural economy, settlement of that country; and hence obtained the in which you are labouring with such laudable zeal name of Anas Canadensis, by which they have since and perseverance, but I trust you are fully aware. been known and described by naturalists A few that it is the small rills which produce the stream that,

1 remain, most cordially yours, S. W. POMEROY.

CIDER BARRELS.

Middlerex county, April 18, 1826.

A cheap way to keep cider barrels sweet, is as llows. Take the barrels soon after the cider is follows. The Supreme Author of nature, who invariably out, and drain off the lees (if the cask has been and their arms hurt; or a pin perhaps in the clothes proportions means to ends, has formed this species kept full while the cider was working there will be of the servant who carries them may have scratched with habits suited to their condition; for they have but a trifle,) bung them tight, and put them in some them. Their little feet or hands may pain them no propensity to breed until three or four years old: suitable place. Previous to using them for cider with cold; they may be hungry or sleepy; perhaps otherwise, being enfeebled during the process of the ensuing season, rinse them. I have practised sick or in pain; and, at all events, their cry should incubation, and by guarding and searching after the above method for more than twe ty years, and be always attended to. food for their young, they would not have sufficient never had any eask which did not keep perfectly strength at an earlier age to endure the fatigue of sweet. Rinsing casks with cold water, and not an indispensable flight of two or three thousand keeping them bunged tight, t believe is the princimiles; and as the season is strictly limited in which pal cause of so many cider casks becoming foul [N. E. Farot.

LADIES' DEPARTMENT.

A WHISPER TO A NEWLY-MARRIED PAIR.

A WHISPER TO THE WIFE.

[Continued from p. 54.] Chapter IX.

ON THE MANAGEMENT AND EDUCATION OF CHILDREN. strengthened it?

The great Dr. Buchan says, "The first thing to be given to a child after it is born, is the breast; course the next time he wants to gain his will, he and, on no account, syrups, castor oil, or medicine. naturally employs the clamour and screaming which A woman's suck is nature's provision for the infant; he has hitherto found so successful. no art can afford a substitute: deprived of it, the indoubted veracity, in a neighbouring state, who has junt generally perishes. In the period of inlancy," the nurse's arms, screams, kicks, and lifts up his been extensively engaged in the business for a num- he adds, "the foundation of a good or a bad consti- little hand to strike her. Every one-the mother as ber of years; and whose system of management, as tution is generally laid: and a mother who relinquish- well as all present perhaps—laughs. A prophetic far as I can learn, is not practised in this part of es her child to the care of hirelings, hardly deserves spirit would probably whisper her rather to mourn, the country; by pursuing which these valuable fowl the name of mother. A child, by being brought up could she see the future effects which time would can be so multiplied that it may be deemed worthy under its mother's eye, not only secures her affection, give to this passion in the enraged Lilliputian.—"O of being made known. The method generally praction, but may reap all the advantages of a parent's dear, what harm could his baby hand do?" Not the tised is to mate a wild gunder with a tame goose, but care, even though it be suckled by another. How least, but he exerted it to the utmost; and if the powhe will attach himself but to one, nor will she breed can she be better employed than in superintending er of infant Hercules had been his, his nurse would by him until he is three or four years old. As wild her nursery? It is her province not only to form have suffered in proportion. If something improper ganders are scarce, the system adopted by my in the body, but also to give the mind a right bias. Be for him to have has been taken from him; or he formant is, to induce him to attach himself to a assured, a mother generally has it in her power to wants to go out; or some matter or other occurs number of tame geese. For which purpose he first make him either healthy or feeble, either useful in which crosses his will; instantly endeavour to change mates him with a wild goose; and when she is ready life, or the pest of society. Search nature through the tone of his little mind; run with him to a winto sit, takes away all her eggs and puts under her out, and we cannot find a parallel to a mother re- dow, point out to him the trees, the birds, the as many as she can cover of those laid by a tame signing to a proxy the nursing of her child! Every shrubs—any object which the landscape presents; goose plated with a tame gander. When hatched, other animal is the nurse of its own offspring. Howthe young will have all the attention paid them by ever, should the state of her health oblige her to value his future temper and happiness, indulge him their foster parents as if they had been legitimate; employ another in this office, let it be done under not in the object which had excited his passion. Be but there must be no mixture of eggs, for should her own eye. If there be plenty of suck, the child assured, that every time an evil temper is indulged, one of the wild species be hatched, the deception will require no other food for three or four months; from the moment when, at five or six months old, it will be discovered and the tame gaslings instantly dispatched or abandoned. When they are so far grown that the young ganders can be easily distinguished, they should be separated, and the wild its hand: it promotes the cutting of teeth, and affords about the floor, without shewing by her looks and the wild its hand: it promotes the cutting of teeth, and affords about the floor, without shewing by her looks and

aired room in the house. No cradles nor rocking, The subject may appear too diminutive to be in- and let the child sleep quite cool. Plunge them every morning into cold water, not giving more than one immersion; and dry them quickly. What a lovely object," says the same writer, "is a little baby just emerged from the cold water! After he has been dressed, his head resting on his mother's bosom, closing his pretty eyes to sleep with all the sweet calm of a cherub; his frame braced and vigorous; his little hands spread open with health; and his countenance blooming, placid, and lovely!"

The cries of infants are constantly excited by causes concealed from our observation. They are handled too roughly; or something is rubbing against their tender skin; or they are snatched up suddenly,

The temper of a baby should be kept as placid and serene as possible: every thing that frets and tantalizes him should be carefully avoided. Indeed, his cries might be constantly prevented by not letting him see things improper for him to have. But if chance throws them in his way, on no account comply merely because he has cried for them. Even at this early age discipline must commence: his will must be subdued; and when he is old enough to walk and talk, the trouble both to himself and his mamma will be considerably lessened. Give me leave to ask a mother, Would she not correct her child for passion or self-will at a more advanced age? Then why permit it in an infant? Why not nip it at once in the bud, before time and habit have

If you indulge a child with what he cries for, of

In a fit of passion, a baby flings himself back in

herself an affectionate mother; but I eall her a weak, ture.

Something or other should as constantly as possible be kept in a baby's hand; such as a stick of important work of education. sealing wax, coral and bells, &c. It gives the little (To be concluded in mind something on which to exercise itself, and rescues it from stupid inanity: and the eagerness with which the baby seizes and plays with those things is often most injudiciously checked by ill humour or earclessness in the attendant; and the pretty babe is thus unnecessarily irritated and set to crying. Be assured, a baby's temper is much injured by the peevishness and ill-timed interference of the maid who carries it on her arm.

Never give an infant an article in play that requires watching: the attendant may forget to watch,

and an accident may probably ensue.

When an infant is playing with something improper for it to have, its attendant will sometimes snatch away the article, and set the baby a-screaming. This is unkind, as well as injudicious: let a substitute, equally amusing, be provided; and with a little management the exchange may be made without diminishing the smiles of the pretty babe. Sometimes a little puppy or kitten is given up for the amusement of an infant. There is a great degree of cruelty in this: independent of the claws of the kitten not perfectly smooth, as they accommodate themrendering it an improper object to be played with, selves to the inequalities of the ground. The Diathe infant is continually, though unconsciously, inflicting torture on the helpless victim.

When an infant stretches forth its hand to grasp what is not proper for it to have, at once express by your looks your disapprobation. Words it cannot damage, to be repaired. understand; but it well understands the tone of voice, and the expression of the countenance. Let any one who doubts this, look at an infant standing in his mother's lap, and gazing in her face: if she shake her head and frown, will he not lower his under lip, and whimper? if she laughs, immediately he laughs also; and if she looks sad and grieved, anxiety and sorrow steal over his baby face; and I have frequently seen the sweet cherub take up his little frock to dry his mother's tears. All this proves how capable an infant is of understanding your disapprobation.

With the first dawn of reason, a mother should commence the discipline of her child. To subdue his will, to correct all fretfulness and impatience, and to indulge him in nothing that he passionately cries for, should be her most earnest effort. And let her remember, that this discipline is perfectly consistent with the tenderest and most affectionate improvement on Small's, is of very light draught, kindness.

"Discipline may be begun much sooner than it is generally supposed. The sympathies even of infants are quick, and powerfully affected by the man- as well in rough land as the American Ploughs. ner, look, and tone of the voice of those about them. Shares of wrought iron laid with Steel. Price \$18. Something therefore may undoubtedly be done to-wards influencing the mind in the first two or three years of infancy;" and it is inexcusable in a mother They answer well for the common purpose of farto neglect such a very important matter.

Can the beauty of truth, or the deformity of falsehood, be impressed on the mind of so young a child? dered. The Shares are of east iron, fastened to the Yes, truly! in a great degree it can. I have seen a mould-boards with screw-bolts, can be renewed pretty baby just beginning to speak, trotting about the garden; and on being asked, "Who broke that fine geranium?" his answer was, "The little bee, Note. Purchasers of this and all kind mamma." A sensible person might have said, "Alas! iron Ploughs, can be supplied with Shares, &c. by sweet child, why are the first accents which pass those ruby lips allowed to be polluted by falsehood?"

Many persons who allow themselves to treat chil- mould-board. dren, during their earliest years, merely as playthings, humouring their caprices, and sacrificing to Freeborn's, cheap, and answers tolerably well expresent fancies their future welfare; when the charm cept in rough land. Standard of cast-iron. of infancy is past, commence a system of restraint and severity, and display displeasure and irritability at the very defects of which they have themselves dered much superior to any cast standard Plough in laid the foundation. "Then," Locke says, "parents use. wonder to taste the stream bitter, when they themselves have poisoned the fountain."

silly woman, wholly unacquainted with human na- teresting baby boy; but for his future improvement, quently requiring the aid of a Blacksmith to repair. perhaps I may soon present his mamma with a small volume of selections from the best authors on the

(To be concluded in our next.)

MISCELLANEOUS.

AGRICULTURAL MACHINES AND IMPLE MENTS.

Catalogue of Improved Agricultural Machines and price from those stated. Implements, for sale, and made to order, at the New York Agricultural Repository- By William Tor-

"He that tilleth his ground, shall have plenty of bread."

(Concluded from p. 56. Am. Farmer.)

HARROWS.

Hinge Harrows, \$20 to \$25.

Diamond do.

Expanding do. \$8 to \$12.

Common do. \$7 to \$15.

Of these, the Hinge are the best, if the ground is mond is also approved of. A part of the above have teeth fastened on with screws at top and a shoulder beneath, which renders the harrow very stiff and strong. The teeth can also be taken off without

HAY MAKER.

With revolving rakes, considered as a very valua-e machine. It is drawn by one horse. Twelve ble machine. It is drawn by one horse. acres of hay may be cured in a day with it. Price

LACTOMETER.

For testing the quality of milk. A very small Field Rollers.—Are considered indispensable in and cheap, but deservedly esteemed article. By it, English husbandry. They effectually smooth land of cows, are conclusively settled. No farmer who yoke of oxen. Price \$30. regards his success in obtaining a good breed of cows, or in feeding, will be without a Lactometer. iron. Too well known to need description. Price Price 75 cents.

Wilkie's.- A Scotch swing two-horse Plough, an and with an experienced Ploughman, does its work better than any plough ever invented. It is well calculated for sward ploughing, but does not perform

Freeborn's or Wood's .- These Ploughs are in such general use that a description is hardly necessary. mers, and are also the cheapest Ploughs used, provided, strength, durability, and low price are consi-

Sorts, Corn, Seed, 0, 1½ 2, 3. \$5 to 10½.

Note. Purchasers of this and all kinds of eastaddressing a letter to the Proprietor, stating the denomination of the Plough, and also the No. on the

Hitchcock's.—An improvement or alteration of

Sorts, 21, 224, 232, 25. Prices \$4½ to \$72. Stevens's.—A Plough of very easy draft, consi-

I shall now for the present take leave of my in-expensive, the shares being wrought, and conse-Prices \$7 to \$12.

Dagon or Connecticut .- This Plough is not worthy to compete with those of a subsequent inven-tion; it is "expensive in the frequent repairs it requires, too small and light to do work in the first style, especially in stiff or stony land. It is, however, considered efficient as a cultivator."--[Dangerfield's Address, 1821.
There are also in use a great number of Ploughs

bearing the names of their various projectors, but which do not differ essentially either in form or

A great saving of freight and inland transporta-tion is obtained, by having the Ploughs taken apart

and the iron work packed in barrels.

Double Mould-Board.—Used advantageously in cultivating turnips and potatoes. It turns the furrow on each side; will answer well for any crops sown in rows or drills. It is also considered highly useful in the sandy light soils of the south. Prices \$7 and \$8.

SKIM COULTER.

Ducket's .- With this Coulter in ploughing sward the grass and weeds are turned down at the first operation, and then covered with fresh earth or mould from beneath. It is also used to turn io long manure, which is covered in the same manner. It is eonsidered inapplicable to swing Ploughs.—[See Dickson's Agriculture, Vol. 1. Complete Farmer, Vol. 2. American Farmer, Vol. 4.

POST AUGERS.

Hoxic's.-For boring post holes, suitable of course ooly in land not stony. A hole can be made by one man in one quarter of the time required with the spade, and the ground encircling the post, is left in its originally hard state. Sorts, 6, 9, 12, 15 inches. Prices \$4 to \$6.

ROLLERS.

the quality of milk, the comparative value of various intended for mowing, and are used advantageously sorts of food, and the excellence of different breeds after sowing seed. They require two horses or a

Gorden Rollers,-For gravel walks, made of cast

THRESHING MACHINES.

English Friction Machine. Scotch do.

American various forms. do.

A great number of machines have been lately patented; they are all, however, imitations of the two first named. Those to be worked by hand, have almost entirely failed, requiring too great power. The above machines are simple, and not very expensive, if a horse or water power is possessed by he purchaser. A water power is by far the best. In England they are in general use, and it is com-mon fur persons to travel with portable machines. The advantages of using them, are, the quickness with which the work is done, enabling the farmer to be earlier in market with his grain, and preventing the great loss by keeping it in sheaf; and also the saving, by clean threshing. It is better to give 10 per cent. to have grain threshed by the machine, than to have it done for nothing in the common way. When, however, Threshing Machines are used, the straw cannot be kept in a marketable state, which is often an objection to their use near large cities.

N. B. The above machines are not kept on hand, but made to order. Therefore when wanted, a few weeks notice must necessarily be given.

In addition to those mentioned, the following are use. Sorts, 7, 8, 9, 10 inch. Prices \$6 to 10½. also kept on hand: Wheel-barrows, Weighing Ma-Peacock's.—This Plough has been in use for some chines for eattle and merchandise, Stuffed Hames time, and is of a good formation. It is, however, for horses and mules, Scythes, Cradles, Snathes.

Rakes, Steel Hav and Dung Forks, Ox Chains, by Nancy Warren. Plough Traces, Shovels, Spades, Ox Yokes, Bush Hooks, Rock Sledges, Pick Axes, Whifile Trees, Market three mile heats, against Betsey Robertson Dynanometers for testing the draft of Ploughs, and Bertrand, which race Betsey Robertson won. neral effort, and our State would soon become as Spuds, Weeding Hooks, Garden Shears, Reels, In that race Janus got lame, and has not been celebrated as New-Jersey or any other State for the Pruning Shears and Knives, &c. &c. &c.

SEEDS.

Shakers' and other Field and Garden Seeds, had the honour to contribute to the entertainment of General Lafayette, during his master's absence abroad. circumstances will admit.

SPORTING OLIO.



NEW MARKET RACES

First Day.

Tuesday, 2d May, the sweepstake for three years old, one mile heats, was contended for by four nags, viz: Mr. West's filly, Mr. Johnson's colt, Mr. Harrison's colt, and Mr. Wynn's filly; and taken by the first named at three heats, the first mile pronounced by the Judges a dead heat.

Second Day.

May 8d, the Proprietor's Purse, \$300, three mile heats, was run for-four started, and won at four heats by Mr. Johnson's Betsey Richards, beating Mr. Watson's Tyro, Mr. Winn's Mare, and Mr. West's Shawnee. The heats were divided as follows: Tyro took the first; Betsey the second; Mr. free of any expense to the owners. Winn's Mare the third; and Betsey the fourth. Tyro and Shawnee were distanced the third heat.

Third Day.

May 4th, the Jockey Club Purse of \$700, was taken by Mr. Theo. Field's horse Gohanna, beating Mr. Wm. Wynn's mare Flirtilla, and Mr. W. R. Johnson's horse Shakspeare.

PERFORMANCES OF JANUS ON THE TURF.

The spring he was three years old he was trained and ran in a sweepstakes at Lawrenceville, (Brunswick court-house,) mile heats; which race he won at three heats; three started-Mr. Field's mare

Phillis, and Capt. Harrison's filly.

The autumn that he was three, he was trained and run at Jeter's, in Nottaway, mile heats, the best three in five.* In that race there were three started-Sir Henry, Mr. Hare's mare Rosette, and Janus. 'The first and second heat Janus won, and was beaten the third by Sir Henry 18 inches; the fourth heat Janus did not contend for, and was beaten the fifth by Henry about clear. After that race he went on to Tree Hill, (Richmond,) and run in a sweepstake two mile heats, which race he won with great ease at two heats, beating Mr. Harrison's Burst-all and Mr. Selden's filly.

The same autumn he won the jockey club purse at Spring Hill, two mile heats; four started; which

race he won with case.

The spring he was four, he run at Lawrenceville two mile heats; four started; Janus won the first heat, and was beaten the second, not far. In this race there were four heats, and Janus contended for every heat, and was not beaten much the last heat by Aratus-only two or three feet.

He went on from thence to New Market (Peters-

Cast Steel and Common loes, Iron and Wooden burg,) and run three mile heats, and was beaten for his own use at least, and if each will begin and

trained since. In fact he started a lame horse; he fell lame on his travel from Tree Hill, where he had the honour to contribute to the entertainment

Extract of a letter from Edmund Morgan, overseer at Roanoke, to J. R. of R., dated March 17, 1826. "MR. RANDOLPH,

Sir,-Agreeably to your request, Mr. Benjamin Morton came and saw all your colts and fillies; and he thinks that the bay filly by Roanoke, No. 46, is worth more money than the chestnut mare by Sir Archy, No. 37, both out of Grand Duchess. He thinks them to be the best foals, altogether, that he ever saw got by one horse."

THE FARMER.

BALTIMORE, FRIDAY, MAY 12, 1826.

It will be remembered that the next meeting of the Trustees of the Maryland Agricultural Society, will be held next Thursday, at Waverly.

All persons intending to offer valuable animals for sale at the Maryland Cattle Show, are informed that they may advertise them, gratis, in the American Farmer, and that the sale will be made

The Cattle Show will afford, on the first and second days of June, an excellent opportunity for selling valuable animals of all sorts.

To any one who has reflected upon the subthat almost all the fine saddle, and yet more espeand in all respects of the vilest qualities: hence it 6, page 20, and vol. 7, page 399. is, that for good hacks, and for parade, coach and the citizens of Maryland. Now we hold that every must be denied to many that pass for blooded farmer should abstain from rearing a horse at all, horses from a well-grounded conviction that it is more

continue to breed from the very best stock within his reach and means, it is easy to imagine that prodigious improvement would soon result from the genumber, beauty, speed and fine action of her horses. Suppose, then, the mass of our farmers to be inspired with the resolution to pursue the course we have suggested, the question arises-how is it to be most speedily and effectually accomplished? We answer, let every owner of a mare, whatever may be her qualities, if she is deemed worthy of being put to any horse, let her go to none but THOROUGH BRED horses, of the best stock, if to be found within any reasonable distance. The wind, the muscle, the spirit, the longevity, of the English blood horse, is essential in all attempts to improve the existing vulgar, thick winded, clumsy "jadish" race. A single cross by any mare will give half blood, and almost every colt by a mare of good size would be good for saddle or harness; the very fact of having a foal by a thoroughbred horse, will induce more care and attention, and short experience in the advantage of the blood will beget an universal assurance of its superiority and value.

How then is access to be had to this invaluable stock of the English thorough-bred four mile horse? There are already some in the State, and if those who can afford would go to Virginia and purchase some blooded mares, it would not be long before every county in the State would have an ample supply of thorough-bred stallions. Every colt of such a mare, if well kept, would probably fetch, at four years old, not less than \$300; and if farmers would learn that in which there is no mystery, to keep their full blooded colts for the twof, they might have them tried for a trifling expense, and without wagering; and in all cases where they were proved to possess great speed and bottom, a much higher price might be obtained; from \$1500 to \$3000 is not an uncommon price to be given in New York and in the Southern States for tried horses.

It is known that the Hon. John Randolph, of Roanject, it must always have been a matter of surprize oke, has the largest stud of the best bred horses at this day, belonging to any gentleman in any councially, the well-matched carriage horses, used in try. He appears to have increased their numbers this state, should be purchased from others. Such and preserved their blood in the greatest purity, rawant of enterprize and common apprehension of ther as an amateur delighting to rear and cherish the what is practicable and profitable, in the very line noblest animal in his highest perfection, than with of their business, is absolutely disreputable to the any view to sale, and beyond any demand for his landholders of the state. The case would be dif-own use. "Gaudet equis canibusque." There are a ferent if there were not a great number of horses few for which, owing to his partiality for the animal, reared within the state, because then it might be or its family, he will take no price; against those inferred that the omission to rear our own horses which he is willing to dispose of, he fixes a price in was the result of sound calculation; that it was dic-tated by the conviction, that being convenient for him on the subject; that price is very reasonable, the transportation of hay, grain, &c. to market, it being, we believe, for his fillies, from 3 to 400 dollars; was better to rely altogether upon selling produce and here then a resource is open to those who wish and buying horses. But the fact is known to be to possess the pure blood of the finest horses reotherwise: there are annually a great number bred corded in the annals of the turf. For a list of these, in the state; but they are of the most inferior blood, the reader is referred to the American Farmer, vol.

An additional value of no small amount, is stampstage horses, immense sums of money are annually ed upon Mr. Randolph's horses, by the unquestiondrawn from, instead of coming into the pockets of able authenticity of their pedigrees: a claim which

Mark Anthony, a "capital son of Sir Archy," who economical to buy, or, being convinced, as we are is now covering at a very advanced age in North persuaded it must be, that it is cheaper to rear his Carolina, at \$75, stands this season on the farm of own, he ought to he ashamed to use a horse of ano- Col. S. Ridgely, late Martin's, near Ellicott's Mills. ther's breeding, as well as of using an indifferent We understand from all who have seen him, that animal. We believe it must be far more economi- he is a beautiful horse, from which the best stock cal to rear them, because we are satisfied that what- may be derived. Rinaldo, another capital son of ever may appear to be the expense of it, on paper Sir Archy, bred by Mr. Randolph, and now at Roan-*Extract from a respectable Virginia Planter.—"I think there were three heats run in one minute fifty-one seconds, and the tongest one, fifty-four, Janus losing the fine horse might be reared on almost every farmer's will probably stand at some point out of the way of estate. Let every one then set about rearing horses interfering with Mark Anthony, for a number of

race only by 2 or 4 feet."

as to leave no excuse to farmers within reasonable distance, for not availing themselves of the oppor- animals, very fine ones of the kind, were sold a tunity to profit by the blood of one of the strongest prices which would pay the owners very little mor and best bred horses ever offered to the use of the Maryland publick. Of Rinaldo, 5 years old this in the country. A specimen of the wool from on grass, Mr. Randolph says, "he is a horse of great of the Lincolnshire breed, was exhibited, which wa power and strength from his shoulders or neck ra-ther back as I ever saw—equal to Roanoke, or to his sire, Sir Archy, but finer, because he has not the faults in Archy's symmetry."

"Rinaldo, (he adds) is a fine bay-better legs and feet no horse ever stood upon; and many who have seen him, (good judges too) prefer him from the girth back, even to Roanoke. Nothing can by Messrs. Scarle, being 81 Rams, 57 Ewes, 12 Rar surpass him and Janus in their coupling and quarant 417 Ewe Lambs, amounted to \$26,518.75, ave ters. Janus, if any thing, a very little lower than raging for each sheep and lamb \$152.80. The shee

that horse ever was put to."

M. Anthony & Rinaldo will be exhibited at the Maryland Cattle Show, on the first day of June, and Rinaldo will then be stationed, probably on the York Long Wool and South Down Sheep-imported by A or Reister's-Town road, to cover mares at \$ be paid invariably, and without respect to persons, at the time of service: and the horse being young the number of mares will be limited, as before

85-A GOOD GOER .- The Editor saw the Washington mail delivered in Baltimore at 5 o'clock, and with his own blooded horse Champion, in harness, went to the General Post Office and paid his respects to the Postmaster General at 9 o'clock of the same morning. Leaving there some mornings after, at 5 o'clock, the same horse, without a blow or a word, and without distress, brought him back to breakfast with his family at 9 o'clock. The distance from one office to the other is little (if any) short of 40 miles. If time be money, to an industrious man, this shews the economy of a blooded horse, with foot and wind.

SE-MEASUREMENT OF A COW'S UDDER .- A few days since, in the presence of the President of the Bank of Baltimore and several other gentlemen, the udder of Mr. H. Thompson's dun cow, which some years since took the first premium, measured around the centre horizontally 5 feet 2 inches. From the top of the udder behind the string stretched along the surface of the udder between the teats, to the top in front, measured 3 ft. 10 inches; from the point of one of her front teats to the point of the other, was 14 inches. The milk was dripping from every teat, and the cow calved that night.

37- The approach of the season for planting Irish Potatoes, and the probability that the very high price at which they have been selling, will induce many to turn their attention more particularly to this crop, has induced us to appropriate several columns of this number to the subject.

3-From good authority, the Editor lately understood, in Washington, that the estimate for the Chesapeake and Ohio Canal, would be about \$32,000,000; \$8,000,000 to the eastern base of the mountain, about 18 or 20,000,000 to its western base, and 4,000,000 to navigable western waters.

SALE OF SHEEP.

The sale of 376 Saxony Sheep, at Brighton, on Thursday, was not so encouraging to the importers W. J. Miller on Shrep and Wool-Inquiries respecting as the former sale. Compared with the sale of last Lucerne—Sheep, on improving the Wool-Sheep, Ohio

mares not exceeding tifty, on terms so moderate A. Lawrence offered the South Downs and Lincolnshire Sheep, imported by them last autumn. Thes than the expense of their keeping since they arrived at least six inches long, and of a beautiful fineness There were six animals of this kind, which wer sold at \$20 to \$28; the South Downs, seven in num ber, brought \$11 to 37. The whole were selected from the best flocks in England .- Boston paper.

The sale of Saxony Sheep the last year, imported by Messrs. Searle, being 81 Rams, 57 Ewes, 12 Ram Rinaldo, but both are high enough for any purpose and lambs sold this year, as above, being 321 shee and 58 lambs, amounts to \$16,647, averaging for each sheep and lamb about \$44.

& A. Lawrence, in October.

Purchaser.	No.	kind.	price.
Mr. Watson,	1	S. Down Ram	\$11
46	2	66	13
66	3 and 4	66	21
66	5	So. Down Ewe,	337
46	6	do. Ram Lamb	>31
Mr. Oakley,	7	So. Down Ram	17
" Williams.	8	Leicestershire de	0. 22
" Oakley,	9	Lincolnshire do.	20
" Williams,	10 and 11		27
16 16	12 and 13		28
rmin a man have		4 2 22 22	. ~ ~

[The number was too large to be sold well, at ontime and place. The owners, who have rendered service to the country, would have done better to have divided and sold them at different places. is very desirable that the show of sheep at our nex exhibition should be more extensive than heretofore Will any of the owners of Saxony Sheep accept the invitation of Mr. Dickinson, of Ohio, to shew then against Merinos of his own breeding.]

JACK FOR SALE.

The subscriber offers for sale the high bred Jack Co LUMELLA. His dam is of the Andalusian breed, and th largest Spanish Jennet in the country. His sire, th noted Jack Barbarossa, now owned by Gen. Williams of Stonington, Con., who will realize \$600, for his ser vices the last season.

COLUMELLA is three-quarters of Spanish blood an one-quarter Maltese, a proper cross to unite vigor an spirit with sufficient bone; is two years old, and give promise to be equal, if not superior in size and other valuable properties, to any Jack ever bred in the Uni S. W. POMEROY. ted States.

Brighton, April 21, 1826.

SAXONY SHEEP.

A small choice lot of Saxony Sheep, consisting of ele A small choice lot of Saxony Sneep, consisting of eieven prime Bucks, thirty-five Ewes, and three Lambs lately imported from Germany, and selected from the best flocks in that country, will be sold at Public Auction on Wednesday, 24th instant, at 12 o'clock, at noof that day, at the Durham Ox Tavern, in Hamilton Village, near the seat of John Hare Powell, esq. when base, and 4,000,000 to navigable western waters. There must be a tunnel through the mountain of four miles in length, with which shafts of 800 feet in depth, will communicate at distances of 180 yards.

There must be a tunnel through the mountain of turnists in this part of our country, an opportunity of activities in this part of our country, an opportunity of activities in this part of our country, an opportunity of activities in this part of our country, an opportunity of activities in this part of our country, an opportunity of activities in this part of our country, an opportunity of activities in this part of our country, an opportunity of activities in this part of our country, an opportunity of activities in this part of our country, an opportunity of activities in this part of our country, an opportunity of activities in this part of our country, an opportunity of activities in this part of our country, an opportunity of activities in this part of our country, an opportunity of activities in this part of our country, an opportunity of activities in this part of our country, an opportunity of activities in this part of our country, an opportunity of activities in this part of our country, an opportunity of activities in this part of our country, and opportunity of activities in this part of our country, and opportunity of activities in this part of our country, and opportunity of activities in this part of our country, and opportunity of activities in this part of our country, and opportunity of activities in this part of our country, and opportunity of activities in this part of our country, and opportunity of activities in the country of the countr

Philadelphia, May 9. Auctionicers.

CONTENTS OF THIS NUMBER.

Lorain on Small Grain, Fallow Crops and Grass-laysyear, the animals were sold exceedingly low. The highest price given was \$210, the lowest 15, and the average about \$60. The principal purchasers were Messrs. Watson, of Windsor, Con.; S. Grant, of Keene, N. H; Jarvis, of Claremont, N. H.; T. Thaxter & Oakley, of Boston, and Strong, of S. Hadley. After the sale of the Saxony sheep, Messrs. A. & of Janus—Editorial, &c.—Advertisements.

PRICES CURRENT.

e	PRICES	CUR	HE!	317	T	•		
t	ARTICLES.	per.	WHOLESALE.			1.E.	RE	TAIL.
e		-	_	om		lo	from	to
d	BEEF, Baltimore Prime,	bbl.	8	,	8			10
is	BACON, and Hams, BEES-WAX, Am. yellow	lh.		5 33		71	9	12 50
3.	COFFEE, Java,	_		17		18	22	
e.	Havana			18			18	
1-	COTTON, Louisiana, &c.	-		14 12		15		
d	Georgia Upland, COTTON YARN, No. 10,			30		124		
	An advance of 1 cent	_						
,	each number to No. 18.	-		10				
d	CANDLES, Mould, Dipt,	_		12		14	16	
m e-	CHEESE,			8		10	12	121
р	FEATHERS, Live,			31		32	31	
Þ	FISH, Herrings, Sus.	bbl.	2	50				1
r	Shad, trimmed, FLAXSEED, Rough,	oush	1	75			875	1
	FLOUR, Superfine, city,	bbl.	4	12			5 00	
0	Fine,		4	1	4	50		1
I .	Susquehanna, superfi.	111	4	12		11	4 25	
e.	FLAX,	lb. 25 lb	5	00		11	5 50	
I	GRAIN, Indian Corn, .	bush	Ĭ	70		73		
3	Wheat, Family Flour,			87		90		
1	do. Lawler,			50 83		70		
7	do. Red,			62		85 66		
7	Barley,			80				
2	Clover Seed, Red	bush	-	371	4	25	4 75	
0	Ruta Baga Sced, Orchard Grass Seed,	lb. bush	1	75			2 00	
7	Mangel Wurtzel Seed,	- ousn	1	25			1 50	
8	Timothy Secd,	_	2	25			3 00	
c	Oats,	-	,	40		42	50	
a	HEMP, Russia, clean,	ton	213	70 5	22	0	1 87	
0	Do Constant		120		13			
t	HOPS	lb.		24			37	
e.	HOGS' LARD,	115		7		8		
e	LEAD, Pig	1b.		6½ 8		81		
n	LEATHER, Soal, best,	_		23		24	69	
1	MOLASSES, sugar-house	gal.		45		00.	624	
-	Havana, 1st qual NAILS, 6a20d	Ib.		28 6±		285	371	
0-	NAVAL STORES, Tar,	bhl.	1	25			3	
ie	Pitch,	_	2	25				
e	Turpentine, Soft,		1	50		0.5	40	
5,	OIL, Whale, common, . Spermaceti, winter .	gal.		30 65		31	} 40 88	
r-	PORk, Baltinore Mess,	bbl	11	00	12	00		
d	do. Prime,	-	8	50	9	00		
d	PLASTER, cargo price,	ton.		50				
es	RICE, fresh,	bbl.	1	50			5	6
i-	SOAP Baltimore White,			12		14	18	20
	Brown and yellow,	-		51		71	S	
	WHISKEY, 1st proof,	gal.	*	75	1	30	38 1 25	
	PEACH BRANDY, 4th pr APPLE BRANDY, 1st pr			36		00	50	
e-	SUGARS, Havana White,		13	50			15	16
s,	do. Brown,	-	9	00	9	50	10	
ic	Louisiana, Loaf,	lb.	7	75 19	9	50 22	20	11
011	SPICES, Cloves,			70		75	1 00	
n	Ginger, Ground,			7			12	ĺ
e.	Pepper,			17		4.5	25	
- -	SALT, St. Ubes, Liverpool Blown	bush		43		45 46	75	
1-	SHOT, Balt, all sizes, .	cwt.	9	00		10	,,,	
	WINES, Madeira, L. P.	gal.	2	50	3	00	3 50	4
	do. Sicily,		1	20			2 00	
=	Lishon,	doz.	4	15	8		1 50 5 00	4 10
-1	Port, first quality,	gal.	1	65	2	00	2 50	3 00
g	WOOL, Merino, full bl'd	lb.		35		40) 1111	vashed.
0	do. crossed,	-		25		30 23		free of
d	Common, Country, . Skinners' or Pulled, .			20 25		30	tag	
-		'					,	
-	D.I. ()			-				
- [Printed every Friday, at	\$5 p	er	anr	un	ı, î	or JO	HN S.

SKINNER, Editor, by John D. Toy, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

ON DISEASES AND ACCIDENTS OF FAR MERS.

Observations on the means of preventing and reliceing the accidents and diseases, to which farmers are particularly subject. By JAMES MEASE, M. D.

[From the Memoirs of the Philadelphia Society for promoting Agriculture-Read May, June, July, August,

[Continued from p. 35.]

Sprains-Are to be cured by rest, supporting the limb in a position higher than horizontal, day and night, and the application of cloths dipped in cold salt and water, to the part. When stiffness remains, the part should be rubbed gently twice or thrice a day with the hand, for ten minutes at a time, a few drops of sweet oil being previously applied to the hand. If the ancle be the part affected, laced boots able to walk.

Whooping Cough.—Give an emetic, and afterwards a purge of calomel and jalap. To cut short the course of the disease, let the child change the air every day or two; and if, as is sometimes the case, the cough be very distressing, apply a burgundy-pitch plaster three inches broad, half way down the spine, from the nape of the neck. The part must be first wiped dry, and the edges of the plaster snipped to make it lie smooth. As this is commonly a trifling disease in children, and a serious one when it attacks persons grown up, and of one and four, or five years.

Spitting of Blood.—The bleeding may be checked by taking a tea-spoonful of dry fine table salt, and swallowing it slowly. If there be fever or cold and damp: wear flannel next the skin, and warm stockings, and stout shoes, or over-shoes. A veil is a great protection against cold, for weak lungs.

Cholera Morbus .- A violent vomiting and purging. This disease most commonly proceeds from errors in diet, either as regards quantity, quality, merely remaining a few minutes in its vicinity or outrageous mixture of food. A new aracle of by being exposed to its smoke when burning. water to promote vomiting, and when the stomach is clean, thin corn-meal gruel, salted, should be taken to assist in the evacuation of the bowels. If cramp in the legs comes on, they must be well rubbed with a cloth dipped in whiskey. If the person feel faintish, warm wine sangaree may be taken. The bowels being well evacuated, twenty, thirty, are often eaten by children, and are highly poior forty drops of laudanum may be given, to pro mote sleep, and quiet the agitation of the system. The next day or two after, a dose of magnesia, or castor oil should be taken, to evacuate the bile which will probably be discharged into the stomach or bowels, and which, if retained, might renew the disease.

Catarrh or Cold.-Persons in town or country are alike subject to this complaint, and the attention is particularly called to it, because of the disposition the assistance of turpentine, to promote the extinguishof mankind to neglect it, merely from being able to attend to their business while labouring under it. At this time the foundation may be laying of a serious or long protracted indisposition. A cold, or influenza (which is no more than an epidemic column to the description of the excellent work, Cooper's Surg. Dict. says, that the who had just entered upon the sacred duty of a preachthat excellent work, Cooper's Surg. Dict. says, that the influenza (which is no more than an epidemic catarrh,) however severe, may be cured in a few days, provided the patient will at once agree to make the attempt. The process is, to take a dose of Epsom that excellent work, Cooper's Surg. Dict. says, that the who had just entered upon the sacred duty of a preaching preparation of mercurial ointment will be greatly expression of the mercury in the first instance bean slipping into the appendicula vermiformis. This note is inserted for the information of the medical this article will be sufficient, with rubbing, for the No. 8. -vol. 8.

from meat. Lying in bed is essential to a speedy skin, and swelling of the body, indistinct articula-cure, for a free perspiration, which mainly contria warm room. The cough may be assuaged dur-ing the early stage of the disease, by liquorice root dicine, a purge of fifteen grains of jalap and ten of or lemon candy, or molasses candy; and after the calomel should be given. After the discharge of five or ten drops of laudanum three times a day, cording to the age of the child, should be given to and thirty or forty drops at bed time. At night quiet the system. the feet should be bathed in warm water. By this simple treatment the patient will be cured, and enator cause mischief, from the imprudent use often bled to return to business in one week, while others, made of it, under the name of rats'-bane, to dewho for fear of being made too delicate, permit the stroy rats. It ought never to be used for the purdisease to take its course, will continue to be distressed by it for weeks, probably lose their voice of white vitriol should be given, (not tartar emetic) for some time, and finally, be forced to confine to cause vomiting, and then whites of eggs freely themselves a much longer time, to be relieved of a taken. Sugar and water should then be drunk freeshould be worn, to give a mechanical support to the more serious complaint. Costiveness from the use ly, followed by a purge of calomel and jalap. Avoid joint, and muscles covering it, after the person is of laudanum, must be guarded against, by an occasional dose of castor oil.

Vegetable Poisons .- Alarming illness, and frevegetables being eaten, either raw, or boiled as a

cultivate in his garden.

Last year two melancholy cases were recorded. One happened in one of the New England states, and another in Cumberland county, Pennsylvania. In one case, near Carlisle, where it abounds, that virulent poison the wild parsnip; and in the other, some plant taken for wild cicely were caten Eveno one can expect to escape it, children should be ry year cases of disease occur from eating poiexposed to those who have it, when between ages sonous mushrooms. Beside these last (a numerous tribe,) there are twenty-one native plants in Pennsylvania, which are known to be poisonous, if either externally applied, or internally taken; more may he doubtless found in different parts of the conticough, or the pulse very quick, four, six, or eight negative against cating any wild plant, the quality of Children in like manner are to be enveloped in the with light diet. In the winter, avoid exposure to which they are ignorant of. After the offensive substance has been discharged from the stomach, strong coffee, and brandy, or whiskey diluted with plied. Persons using the spirit or oil of turpentine, water, should be given to settle the stomach.

The plant, emphatically called poison-vine, or poison-creeper, (rhus radicans.) which is universally will take fire. All children should be clothed in diffused over this country, possess its vicinity: or merely remaining a few minutes in its vicinity: or merely remaining. The diffused over this country, poisons some persons by diet, eaten at supper in summer, often produces it; symptoms produced are, swelling of the face, hands such as clams, lobsters, and crabs. The offending and arms, or feet, and a painful eruption on the cause must be first removed by drinking warm skin. The usual remedies are anointing the parts with cream, or washing them with lead water. Dr. Dewecs informs me, that the best remedy he ever used, is strong mercurial ointment. If any watery pustules form, they must be opened with a needle, and the water absorbed by a soft cloth.

The seeds of stramonium, or Jamestown weed,

* The datura stramonium obtained the trivial name of Jamestown weed, (corruptly Jimson,) from the circumstance of a number of English soldiers having been poisoned after eating the leaves boiled. This took place soon after the settlement of Virginia. In Charleston, S. Carolina, a child was last year killed by eating the flowers of the fragrant yellow jasmine, (Bignonia semper virens.)

Mercurial ointment ought never to be made with ing of the mercury, as such ointment invariably produces inflammatory pimples on the skin, and would in-

salts or castor oil; if fever be present, to lose twelve sonous. The symptoms are convulsive motions ounces of blood, to lie in bed, drink freely of warm of the arms and legs, yawning, loss of power over flaxseed tea, sweetened with horey, and abstain the lower limbs, dilated pupil, red eruptions on the butes to throw off the disease, does not take place, dy is an emetic, to produce powerful vomiting. If when the person is clothed and sits up, although in the first does not succeed, a second must be taken. bowels have been well opened, by the addition of the seeds, five, ten or fifteen drops of laudanum, ac-

milk and oil.

Swallowing Fruit-stones.-From carelessness or hurry in eating, stones of fruits are often swallowed quently deaths, have occurred from different wild whole. Cherry stones are even sometimes knowingly swallowed, from a mistaken notion of their assubstitute for others, which every farmer ought to sisting the digestion of that fruit. The practice is highly dangerous, and should always be avoided, as alarming obstructions, and inflammation of the bowels have been the consequence of it. Death has not unfrequently happened from this cause without suspicion being attached to the true source of the calamity, nor could relief be given even had it been ascertained.* If those who thus wantonly trifle with their health, knew the structure of the alimentary canal, they would easily comprehend the force of the caution, and avoid the practice which is the ground of it.

Clothes calching Fire.-Women should instantly lie down, and smother the flame by rolling the carof worsted; water, if necessary, may then be apmust avoid approaching within five feet of a fire, or collection of live coals, or a candle, as the vapour

worsted clothes.

Lightning.—If caught at a distance from home. avoid taking shelter under trees; instances every year occurring of cattle, sheep and men being killed by lightning or dashed to pieces by splinters of wood, when flying under trees, to avoid being drenched with rain. If a person has a gun or iron tool with him during a thunder storm, he should leave it on the road, or in the field, as the iron will attract the lightning, and he will be inevitably killed. An English paper (June, 1824,) mentions that a shepherd in England, who was returning from his daily labour in a thunder storm, carrying a fork across his shoulders, was instantaneously killed by lightning; which doubtless was attracted by the prongs of his fork.

(To be continued.)

space of one minute, to make the globules of the quicksilver entirely disappear, and render it at once fit for admixture with the proper proportion of lard. The utility of rancid sweet oil for the same object, as recommended by Delauny, (Tromsdorf's Journal of Phar-macy, vol. 8, p. 162,) has been fully proved in Philadel-

CURWEN-IN REPLY.

WILLIAM J. MILLER, Esq.,

Dear Sir,-You "ask of Curwen a simple question"-"what has been the actual results of Dr. Parry's, or all the other attempts to place the finest wool on the HANDSOMEST carcass?"

I answer, the production of Sheep, in flecce equal, IN FLESH AND FORM THE OPPOSITE OF YOURS.

Your obedient serv't,

CURWEN.

It is shown, that Southdown wool commands as much in England as Merino, although assorted Saxony wool, is most valued.

Quere.-Can any man imagine, that Breeders with capital, zeal and skill, aided by British influence with the court of Spain, were less likely, to select good Merinoes, than commercial speculators.

COTTON SEED-MANURE.

Rateigh, N. C., May 6, 1826.

FRIEND J. S. SKINNER,

I promised thee, some considerable time since, that I would inform you as to the mode, or manner in which "our farmers" employ their cotton seed as a manure. Well then, you and your subscribers, high, they draw them carefully with a dibble, and shall have all my experience and observation on transplant them in beds at proper distances, water-this subject, gratis. It will be seen, from some of ing them frequently with cold water as they grow, the former numbers of the American Farmer, that and keeping the earth entirely from the bulb. James Madison, formerly President of these United States, has observed, that the should imagine the cotton plant was a great source of manure to John S. Skinner, Esq. the three oldest Southern states, viz: Georgia, and North and South Carolina." Well, he was precisely right, and the "warm-country plant" (as my old neighbour calls it,) is even more useful, in that way, than Farmer Madison had ever supposed. To the subject then.

the putrid.

(as might be supposed,) as various as the changes of the weather.

them, (I don't know that you have any,) such as bring remarkably mild and sweet. nothing but pine saplings, broom shard, and other I am also collecting to send home, some cuttings That they have examined the subject attentively. stinted vegetables, by the aid of this shovel full of ef the various kinds of excellent grass that are and have taken such steps as they thought best eal-

cotton seed, produce corn which would equal that cultivated in the villages along the Rio del Norte grown on Roanoke bottoms. It is the practice between this city and El Passo; these are said to with some to open drills, in which they deposit their remarkably fine, and some make excellent wine. sced, and let them lie out all winter, and thus deensuing spring. More on this subject at another agency, far and wide. UNCAS.

MEXICAN ONION SEED.

Santa Fee, (N. Mexico,) Feb. 15, 1826.

The enclosed is one of four small parcels of onion seed, of the kind mentioned in my letter of the 7th. This seed was presented to me as the genuine kind, and I have no doubt it is so. But it is somewhat doubtful, I think, if it will produce in Maryland the same fine large onions that it would here. I learn on further inquiry, that the largest onions are produced uniformly from a peculiar kind of soil, that is found in small detached districts in this territory: this soil is very strongly impregnated with salt and salts combined in about equal proportions; and it is said that upon those spots the onions succeed best. It may be that this is a mistake.

spring. When the plants are three or four inches ing the earm curious,
I am yours, respectfully,
G. C. SIBLEY.

MEXICAN WHEAT.

Santa Fee, (N. Mexico,) Feb. 7, 1826.

Sir-I have forwarded to Osage Post Office four small parcels of wheat, and desired them to be sent Attached to each gin, generally either horse or to you from thence by the mail. This wheat is of a water, but most commonly the first, is a wooden very extraordinary kind, and as I am informed, very trough, declining to the earth from the second story excellent. It has been but recently introduced into of the "gin" into a pen of "mauled rails;" well, the this part of the country, by a person of this city, ginner, as fast as the seed accumulates, takes them from Sonora, one of the Mexican states bordering up with a broad wooden shovel, and throws them on the gulf of California, where too, it has been into the pen by the aid of the trough very easily. known only a few years. It grows very well here, this way, must necessarily be slow, yet it is evident Here the cotton seed accumulates in a large mass, on a poor soil—I am told five or six feet high; each and receives all the winter's moisture, in the dif grain produces a very large bunch, each bunch or ferent forms of rain, hail and snow; the whole mass plant, from twenty to thirty large flat heads, each grows very warm, so that you can scarcely bear head many bunches, all filled with grain. The stalk your finger in it-in fact, the heap goes through the is pretty nearly solid, the upper joint entirely so. three regular fermentations, viz., saccharine, or that It should be sown very early in the spring I am told, which developes the sweetness; vinous; and at last, but I doubt not it would answer well to sow it in the fall with you. I have put up one of the heads It is precisely this last which fits it for the ope- on its stalk for you, from which you will be able to rations of the field; and a shovel full of offensive judge of its peculiarities better than from any descoton seed thrown round a rose bush in February, cription I can give of it, I think it probable that may enter into the composition of its "delicate pethere may be a few grains of some other kind of facture of this important article of industry and tals" in midsummer—so wonderful and mysterious wheat, mixed with this that I send you; If so, they trade." are the operations of nature, when directed by the may very readily be distinguished before the seed hands of the Eternal one. The seed usually re-ripens, and then separated. Should this wheat mains in the pen until about the last of March, or prove of any value I shall be much gratified. At the middle of April; it is then carried into the any rate it is well worth a fair trial, and I am sure corn fields. The different modes of applying it are that you will cause that to be made, in your state.

s might be supposed,) as various as the changes I am trying to obtain some onion seed to send the weather.

The most common, and the most economical way, hopes that I shall succeed, and if I do, you will return the cultivation of the mulberry tree and the

between this city and El Passo; these are said to be

I shall spare no pains to transplant some of each stroy the vegetating quality in this way, at the same time that the seed are in place against the may be spread even to your city, and then by your

I am, with great respect. Your most obedient servant,

J. S. SKINNER, Esq.

G. C. SIBLEY.

HORTICULTURE.

THE CULTURE AND MANUFACTURE OF SILK.

[For the Report on the important resolutions of Mr. MINER, we are indebted to him and other friends in Congress. The importance of the subject is exposed and explained by the Committee, and the following pertinent observations by the Editor of the Albany Argus, leave us no occasion for writing even a brief introduction.]

"We confess that there is scarcely a hranch of They sow the seeds as early as they can in the industry, which, in our judgment, can be rendered more productive, or in which home material and labour may be made more advantageously to supply the place of foreign production, than in the culture of silk and the ultimate manufacture of silk goods. The history of this manufacture in Great Britain, a sketch of which we published a few days since from the article on this subject in the last Edinburgh Review, exhibited very convincing results of its importance, both as a profitable appli-cation of labour, and as a source of national wealth and independence. Aside from any of the extrinsic circumstances, the fact that it affords employment and support to nearly half a million of persons, and is valued at nearly fifty millions of dollars,. is a sufficient proof of the magnitude of the manufacture, and of its material connection with the public interests. The manner in which the attention of Congress has been at length turned towards the subject, shows that it is beginning to excite inquiry; and although the progress of any improvement in that it is not to be, as it has been, wholly neglected.

"The following report of the Committee on Agriculture, made to the House of Representatives, on Tuesday last, furnishes a mass of useful and highly interesting facts. The contrast between the amount of the importation of silks and the exportation of bread stuffs, is not less useful. Together, we trust they will make such an impression upon the country, (whatever may be the course Congress may chance to pursue,) as will induce an early and steady expe-

Mr. Van Rensselaer, from the Committee on Agri-culture, to which the subject had been referred, made the following Report:

however, is to flush up the corn field in November, ceive them by this conveyance. I have measured with Freeborn's patent No. 2, with a strong team, these onions here, (and have one now by me to send ing silk, be a subject worthy of legislative attendand let it lie over till the planting season; when the home to be planted for seed) more than eighteen inland is checked off, and a spade full of the cotton ches in circumference, and I am assured that they obtain such information as may be in their power seed thrown at the check, the dirt hauled over, and frequently grow much larger; and what is more the corn deposited. The growth is rapid; the corn surprising, they grow to that enormous size in one of a much more livelier green, than corn even on season from the seed. They are of two kinds, white naturally rich ground. It is a real fact, Mr. Skin- and red—the white ones are the largest and best, tal employed, the labour and the product, together ner, that I have seen old fields as nature made though the others are very good. The white are with such facts and opinions as they may think useful and proper-Report:

culated to obtain information which might be use- an export of five millions of bread stuffs! The facts tive attention and promotion in the United States?" ful and lead to satisfactory conclusions.

The facts developed in the course of their inquiries, tend to place the subject in an important point ing agricultural resources of our country, by intro- are equally favourable to the growth of the silk of view. It is an interesting fact, that the mulberry tree grows indigenously throughout the United Knowledge is power, in agriculture, no less than in and Europe, the cultivation of that insect, and of States, and that silk may be raised with facility politics; information is capital, and the means of that tree, flourishes from the 20th to the 50th defrom the southern to the northern boundary of the Umon. Formerly, considerable quantities of silk derable quantities and of excellent quality. Many ed without difficulty. In Chester and other of the southern counties of that state, the experiment was the experiment shall have been fully tried, to inter- above the 50th degree of northern latitude, are alhigh price of bread stuffs, owing to the wars growing out of the French revolution, rendered the cultipounds of sewing silk were made in the town of to the country be of great importance. Mansfield, in Connecticut: and in 1810, according profitable. Some beautiful specimens of sewing silk, the production of that state, have been exhibited to the committee. Of the fact, therefore, mittee addressed inquiries to several intelligent made the raising of silk worms, and the drawing, that the United States can produce silk for its own, consumption, and even for exportation to the extent of foreign demand, there appears no reason to doubt. There are few persons, the committee besubject,) who will not be surprised at the view prelast five years:

Statement of the value of silk goods imported and exported in the years 1821 to 1825, inclusive.

		,		,
YEARS.			IMPORTED,	EXPORTED.
1821,			\$4,456,924	\$1,057,233
1822,			6,480,928	1,016,262
1823,			6,713,771	1,512,449
1824,			7,203,344	1,816,325
1825,			10,271,527	2,565,742

\$35,156,484 \$7,968,011 Treasury Dep't., Register's Office,

April 26, 1826.

JOSEPH NOURSE, Register.

What a bounty is paid by us to support the agriculturist and manufacturer of other nations, on articles which our country, with a few years of care culturist should turn his attention to new objects of stuffs abroad.

In 1817, the exports of bread stuffs

a	mounte	ed to		\$20.374,000
In 1818,	66	66	66	15,388,000
In 1824,	66	66	66	6.799,246
In 1825,	66	66	66	5.417,997
	of to	milli		J. 11. C 11.

speak the importance of the subject, and indicate the necessity that exists of awakening the slumberducing new and profitable articles of production. Knowledge is power, in agriculture, no less than in and Europe, the cultivation of that insect, and of valuable improvement. The committee conceive that the first and most important measure to be taken, titudes, the mulberry trees in the United States were produced in Georgia. In 1766, more than is to acquire and circulate clear, distinct and pretwenty thousand pounds of coccoons were exported from thence to England. The production of the article was suspended, not from any difficulty expension of silk, compared with other agricultural prorienced in the process, but from causes connected ductions in the different sections of the Union, capiwith the Revolution. Measures have recently been tal and labour being considered. The kind of mul adopted at Savannah, with a view to the renewal herry best suited to the object; the most advantaof the cultivation of the mulberry tree and breed- geous mode of cultivation; the most approved maning the silk worm. In Kentucky, the committee ner of managing the silk worm; and an explanation in those countries. learn, that sewing silk is now produced in consi- of the process till the article is ready for market. The committee incline to the opinion, that the best years ago the attention of public spirited individu- mode of raising sifk will be for every farmer and als in Pennsylvania was turned to the production of planter to appropriate a small portion of ground, as by the cultivation of silk; but it has generally been The Persian mulberry was introduced into for a fruit orchard, for raising the mulberry tree, Bethleheni, Pennsylvania, by bishop Ettwein, where calculating to produce as many worms as his own tremely hot air, always make the silk worms sick. it flourished, and still flourishes. Silk was produc-family will enable him to manage without increasalso made with success. The great demand and fere with the regular course of his usual pursuits, so contrary to their propagation. A moderate tem-A single acre planted with the mulberry will produce from 500 to 600 pounds raw silk, the value of their seed; and none, on that account, would be vation of grain so profitable for many years, that the which to the individual would richly compensate for more congenial with their nature than the United mulberry was neglected. In 1779, two hundred the capital and labour employed, and the aggregate States.

The fact is worthy of notice, that notwithstandto the report of the marshal who took the census, ing the high price of land in Ireland, where a year's have not turned their attention particularly to the information, from Edmund C. Genet, Esq.; and alvalue of silks imported into the United States the their obligations. As the result of these inquiries. believing that knowledge on the subject is of the first importance, the committee submit the following resolution:

Resolved, That the Secretary of the Treasury cause to be prepared a well digested manual, conadapted to the different parts of the Union, conbefore Congress, at the commencement of their of raising the silk worms in open air or in houses. next session.

FROM MR. GENET.

Notes on the Growth and Manufacture of Silk in the United States.

The various repositories of knowledge on agrimight supply! How important it is that the agri-culture and horticulture, having extensively treated the zoological history of the Phalera Bombis, or silk production, is very fully shown by the circumstance worm, and the best methods of raising and multiof the diminished and diminishing demand of bread plying the several species of the morus or mulber-

This important question leads, in the first place, to ascertain if the latitudes of the several states worm and of the mulberry tree. In Asia, Africa, gree of northern latitude. Under the same lavourite tree, indeed the only tree upon which it feeds, would both prosper here as well as in China, Bengal, Mongolia, Hindostan, Asia Minor, Turkey, Egypt, Barbary, France, Spain, Portugal, Italy, and England, if it was encouraged as it has been

Latitudes nearer to the equatorial line than the 20th degree, and beyond the 50th degree, may, perhaps, with a great deal of care, be also enriched observed, that very warm southern winds, and exand frequently occasion their death; and that very above the 50th degree of northern latitude, are alperature is the best for those delicate animals and

That opinion is not grounded on analogy and presumption alone, it is supported by the strongest of all arguments, by actual experiment. Several the value of silk produced in Windham county, was rent of land exceeds the price of the soil in many industrious and ingenious females of the county of estimated at \$27,373. The committee learn that parts of our country, yet so valuable is the mulber-Rensselaer, in the state of New York, and many the production of silk is still attended to and found ry considered, that importations of trees from the others, in the states of Massachusetts, Connecticut, Mediterranean have been made during the last Vermont, and New Hampshire, and very likely, gentlemen who were presumed competent to give spinning and twisting of sewing silk, an article of them information upon the subject; and among the domestic management and trade; and that article, papers received in reply, they beg leave to present very well known in our markets, is preferred on to the particular attention of the house, a valuable account of its strength, if not of its perfect evenlieve, even the most intelligent of our citizens, (who memoir, replete with interesting facts and useful ness, to the French, English, or Italian silks of the information, from Edmund C. Genet, Esq.; and also so several communications from other gentlemen, been were in combination with cotton, with silk sented by the following official statement of the to whose attention the committee acknowledge raised in this country; and we have in New York, a small manufactory, where the handsomest waistcoat patterns have been produced at a much lower price than those that were imported.

Having proved, by the preceding facts, not only the practicability, but the existing practice. of raising silk worms and silk in the United States, I will, taining the best practical information that can be in the second place, examine, if the raising of that collected on the growth and manufacture of silk, commodity would be, upon a large scale, congound with our mode of agriculture, and of our variegattaining such facts and observations in relation to ed population. This subject requires a subdivision the growth and manufacture of silk in other coun- of the United States, in relation to their two different tries as may be useful, and that the same be laid climates, and also to the two better different methods

> The first method would, it seems, suit the southern states; and the second method the castern and northern states.

The cultivation of silk in open air is extremely easy in warm climates, and requires very little attendance. It is the most common in China, where the mulberry trees and the climate are so agreeable to the silk worms, that the quantity of silk produced in that way is incredible. The single province of Tchehiang might alone, it is reported, supply all China, and even a great part of Europe, ry tree, upon which that valuable insect feeds itself with that commodity. Great quantities of silk, exclusively, I will confine myself, in these notes, to raised in the open air, are also imported raw from present only the principal facts and observations the East Indies, in England; but those silks are which may have a tendency to assist in the deci- harsher and coarser, than those raised in housession of the question now before the Agricultural a circumstance which had made several authors be-Committee of Congress, viz: "If the growth and lieve that it was the production of a different insect ten millions of dollars of silks; manufacture of silk is an object worthy of legisla-called Scr, which was supposed to live five years.

while the Bombis dies annually. But that fiction is now discredited, and the difference in the quality duce 40,000 worms, that will consume one thousand wards its completion. of the silk is more justly attributed to the effect of pounds of white mulberry leaves, easily supplied the oxide rays of the sun, equally operative on silk as on wool; as it has been observed very advantageously by the Saxons, who owe, in a great mea- from the slip; and the produce in silk will be upon sure, the superior fineness and higher value of their merino wool to the ingenions improvement of pro- ing all contingencies. tecting their fleece with linen jackets against the rays of the sun. If, however, the silk and the wool raised in the air, and exposed to the sun, are harsh, than three years old as aforesaid, will supply and The eastern and northern states, on the contrary, lance, and a more attentive and judicious manage-

It seems that our two systems of agriculture agree produce of the northern and southern states?

farm or plantation, and will accordingly offer a new ty of silk. lation, than the cultivation of silk.

It will certainly be a great while before a sufficountry, which now import the whole of their inci- and the strength of the insect in proportion to his the white. pient materials. But, if the Italians, who first cul- food.

state, requires hardly any capital, and it occupies but very little land and very little room.

I should with pleasure, if it was thought proper, to worms required this attention for thirty-six days; but very little land and very little room.

by fifty grown trees, or two hundred small ones, between two and three years old, from the seed or an average twelve pounds of drawn raw silk, allow-

A small hedge that will occupy the twentieth part of an acre, being planted with bushes not more they are more abundant than the silk sheltered from accommodate 100,000 worms, the produce of which the radiant matter, and would, notwithstanding, be- will be thirty pounds of raw drawn silk, and if the berry seed for you last spring. At the time you come a most valuable article for the southern states. whole acre is planted in the same way, the produce were here last spring, I was not aware that the will be six hundred pounds; which, if merely spun flowers of the mulberry trees were all destroyed by could enlarge the cultivation of the housed silk into sewing silk, would amount, at the present price worm, which requires greater nicety and vigi- of American sewing silk in Albany, to three dollars per pound, sixty feet to the skein, and one dollar and fifty cents per thirty feet.

with the two modes of raising silk. But if we can in the air, it is reckoned that a square foot will con- agree with Forsyth, that the best and most expediraise that commodity, a third question arises: will tain, with ease, one hundred and ten worms in their tious way of raising a large number of mulberry its growth be profitable, or offer greater advantages maturity; accordingly, a shelf, twenty feet long and trees, is from the cuttings; consequently, it was my than the articles which now constitute the staple three broad, will contain 6,500 worms, its surface intention to send you a large quantity of cuttings To answer that question, it will be sufficient to will accommodate the 40,000 worms produced by a which are growing in this vicinity, I think I can state, as a matter of fact, that the planting and attending the mulberry trees, either in orchards or hedges, to accommodate, according to the climate, leave three feet opening between them, in order to ber can be obtained here annually. Although I do the two methods above mentioned, is the hardest enable the attendants to nurse the worms. Besides not pretend to give you a memoir on the mulberry part of that branch of industry; and that the rest of such a room, in which several millions of worms trees, but from the little knowledge which I have of the process, which occupies only the fifty or sixty days to which the life of the silk worm is limited, room or hovel to put the worms when they want ceived from practical men in this town, I can asmay be conducted by females, children, and old or to make them ball and spin their silk; so that two sure you, that no tree of our forests, grows with

An ounce of the seed of the silk worms will pro-patriotic economist, supply my contributions to-

E. C. GENET.

Albany, January 21, 1826.

Extract of a letter from Abraham Stout, M. D. to a member of Congress, dated

Bethlehem, Pa., Jan. 14, 1826.

MY DEAR SIR.

In your letter of the 30th of December, you make particular inquiry, whether I had obtained any multhe late and severe frosts which we have had: but soon after discovered that that was the case; consequently no seed could be obtained. But nothing is lost by that event. To raise trees from the seed is If the worms are housed instead of being raised very tedious and objectionable. Our practical men being equal to sixty feet; and a set of such shelves next March. From the size and number of trees invalid men, unable to perform hard labour on any farm or plantation, and will accordingly offer a new ty of silk.

Tours will be sufficient to raise an immense quantimore luxuriance than the genuine Persian mulber-ry does with us. They are growing here on elegain, without impairing the other sources of income. It is, besides, proper for legislators to consider, that tivated for the feed of silk worms; but the white, tom land with equal success. They are like a phæthe more the science of mechanics, applied to manufactures, substitutes machines to manual labour, northern climates than the Nigra, inasmuch as it is the more it is useful to supply the females of our not affected by cold, while the Nigra is more liable to mulberry trees in question, are the true kind, on country, whose number is every where superior to to freeze. But the leaves of the Nigra are so much the leaves of which the silk worm feeds? Of this, the number of men, with the means of supporting more rich and solid, particularly in the southern rethemselves, or the families that support them, and gions, than the Alba, that it is reckoned in France trees were raised, were imported from Europe, by that no occupation, besides the spinning of flax, that one hundred pounds of Nigra leaves afford Bishop Ettwein, who has been largely engaged in and its manufacture, not yet entirely conquered by more food than three hundred of the Alba—and that accordingly one black mulberry tree is equal that supernumerary part of the populations, seems to be better calculated to employ that accordingly one black mulberry tree is equal to three white ones of the same size. This circumsucceeded, beyond his most sanguine expectations, stance would be much to the advantage of the in breeding the silk worm, and manufacturing silk, southern states, and would enable them, with two-equal in quality to the best China silk. We have cient quantity of silk can be raised in the United thirds less trees and ground, to raise the same quantity of silk can be raised in the United mulberry; one States to become an article of exportation, or to silk, superior also in quality, the silk being bears a purple, and the other a white fruit. Both supply even the few silk manufactures of our own always in proportion to the strength of the insect, are considered equally good, though some prefer

Bishop Ettwein's method of breeding the silk tivated the silk worms in the year 1455, from seeds, brought with a great deal of trouble and care, to Rome, by two missionary Monks returned from the East Indies, had been indifferent about the domestic growth of silk, valued at that time almost as cede any other improvement in the raising of silk properties. The indies, he had been indifferent about the domestic growth of silk, valued at that time almost as cede any other improvement in the raising of silk paper, upon which the eggs were lodged. The much as gold; and if the French, the English, and in this country, as no dependence can be placed on sheets were then rolled up, and loosely packed into all other European nations who have acquired the trees growing in the woods; and if it was the wealth by the cultivation of that article, had not, by wish of Congress to promote the growth of silk bounties and rewards, promoted, at first, its intro-among us, I should think that bounties awarded to until the following spring. As soon as the mulberduction, and afterwards protected its extension by the cultivators who should raise a certain number of ry leaves had acquired a sufficient size to afford various laws, no other silks, to this day, would be mulberry trees from the seed, or from the slip, in food cnough for his worms, and the season so far worn, but those imported from China and the East each state, as well as to those who should grow a advanced, that he was under no apprehension that Indies Comparatively speaking, we are now in certain quantity of silk in the ball fitted for market, the crop might be cut off by frosts; he then opened America, in reference to silk, several centuries be- and proportionately drawn and manufactured either the box and laid the sheets into a room of the temhind the other manufacturing nations. That com- in thread or cloth, would have a great tendency to perature of 70° F. In a few days, the small worms hind the other manufacturing natiors. That commodity, whether we import it from India, China, or Europe, is for us an immense absorbent of our substance, and the sooner we prepare the means of stopping, effectually, that drain through which a great quantity of bullion escapes from the vaults of our banks, the better it will be for the progress of our wealth and prosperity at home.

The growth of the raw silk in a merchantable extensive French, Italian, and English treatises; and the soiled spot with a great tendency to made their appearance. He now hegan to furnish made their appearance. He now hegan to furnish them with the multerry leaves, still keeping sheets of paper under them. When one part of the paper became soiled by the excrements of the worm, he put the fresh leaves upon a clean part, to which downwhat the polymer of the paper with the growth and manufacture of silk, with descriptive plates and illustrations, would be extremely useful to promote the desired object. I possess on those several subjects, very object, and the soiled spot with the plume of a feather. The made their appearance. He now began to furnish

the Bishop gave them plenty of branches of trees, on which they formed their coccoons; and when they were too much crowded, he made paper cones, and put one in each, in which they began to spin. As soon as the worms had completed their coccoons, they were thrown into boiling water, and stirred with a stick; on the extremity of the stick, the ends of the silk became attached, from which the ends were collected, and lt is thought here by those best acquainted, that reeled off the coccoons. The silk is then spun and it is the best business to which land can be approprepared in the usual manner. I have omitted to mention, that the mulberry leaves must be thoroughfrom moisture of either rain or dew.

Mansfield, Conn., Jan. 17, 1826. DEAR SIR,

Yours requesting information respecting the manufacture of silk, has been received.

My attendance on the superior court has prevented an early reply. I have devoted yesterday and today to the subject, have consulted those who have had the most experience, and are best acquainted with the business; by which I am enabled to give you the following statement, which I think may be relied on as substantially correct.

be equal to five, if performed by children.

In this period two men, with other help, would be estimated at \$80; the spinning the silk, at \$34.

Forty pounds of silk at the lowest cash price is now worth \$200-which makes the following re-

sult:

40 lbs. silk, at \$5 per lb. . 34-114

which makes the nett proceeds of one acre, \$86

The principal part of the labour may be performed by women and children; but where the business dered more profitable to employ some men for the last period of the worms. The above calculation is made upon full grown trees. The prices at the lowest cash prices. On land adapted to mulberry may suite the vines of Madeira—Champaign and lowest cash prices. trees they will continue to grow nearly forty years.

mulberry trees.

plant whatever.

leaves are much thicker and larger, and the quanti- not a Madeira grape.

ty and quality much improved.

last year was about 3000 lbs., which was not consi land, enriched with manures to about the fertility dered an average year on account of the extreme of 15 bushels of corn an acre: recently, I have prohot weather which commenced about the time the cured other kinds, sent to me by a friend at Anna worms were beginning to wind, on account of which polis, who first instructed me to prune and dress fore they begin to change their colour to ripeness,

I believe the foregoing answers all your inquiries. If any thing else should be wanted, I will checrfully give you all the information in my power. As to the quality of the silk, there is no doubt of its of a year's growth, and others are not yet planted. being equal, if not superior to any imported.

If the gentlemen of the committee wish to see a sample, I will furnish one if required.

priated when the soil and climate are adapted to the trees, on account of the profit from the land, by dry, before they are given to the worms, otherwise they will die. When I say dry, I mean free from moisture of either rain or dew.

and on account of its furnishing a lucrative employment to so many women and children, whose labour could not be so productive in any other business. We hope Congress will afford us some encouragement.

Respectfully, your friend and obed't serv't, JOHN FITCH.

ON THE CULTURE OF THE GRAPE VINE AND THE MAKING OF WINE,

By Thomas M. Call, Esq. of Laurens county, Geo. (From the Southern Recorder.)

Several kinds of this valuable plant may be found One acre of full grown trees, set one and a half in the neighbourhood of our farms, where nature has rods apart, will produce forty pounds of silk. The placed each kind in its proper soil and climate: if labour may be estimated as follows: For the first these were cultivated for ten years, good wine might three weeks after the worms are hatched, one be made from several of them. The blue bunch woman acquainted with the business, or children grape, Vitis Sylvestris, Lin. is in several varieties that would be equal to such person. For the next on our high and low grounds: it makes an excellent twelve or fourteen days, five hands, or what would red wine resembling Claret. The wild Muscadine, Vitis Vulpina, of Lin. is sometimes called the Bullus grape; it has very weak juice, but will answer to be employed to better advantage, than all women mix with other kinds to communicate flavor. The or children. This period finishes with the worms. Fox grapes, Vitis Lubrusca, of Lin. of which there For picking off the balls and reeling the silk, it are red and purple; the juice is very austere and will require about the same amount of labour for fragrant, and will probably make good wine. The the same length of time as the last mentioned pe-Winter or Bermuda grape, Vitis Scrotina, of Lin. riod, which may be all performed by women and inhabits the banks of our rivers, ripens near the children. The aforesaid labour and the board may coming of frost: it will probably make wine resembling Port.

Foreign Vines.

The vines of foreign countries should be brought to us under their foreign names, and their uses dessoils similar to those from whence they are brought: for, says L. de St Pierre, a practical man, the goodness of the wine depends on the nature of the plant, the nature of the soil and the climate.

In Georgia we have every kind of soil, and probably every climate to suit the best wine grapes of is carried on to any considerable extent, it is consi-foreign countries; but the proper kinds of grapes are large enough to set from the seed; and the deira—their climates and soils, as well as seasons, leaves may be picked every year after the year they are materially different: hence we may infer, that a deficient fermentation. e set.

It is considered here that warm loam land, or land another. All kinds should be tried. I have tried They will bear cultivation and manuring which which I make wine; neither of them were considerwill increase their growth as much as any tree or ed to be good wine grapes-one is called the Warrenton, from whence I have it, and the other is Where the trees are in warm, rich land, the called the Madeira, from its colour, but I think it is

In 1816 and 17, I planted 92 Madeira and 28

coccoons. At the time the worms begin to spin, a great many died before they had completed their vines in the manner of Speechley in the vinery, and other kinds from other places-names generally are wanting-amongst them are the Syrian, a Chasselas, a Burgundy, a Constantia, a Madeira, the Tokays, Isabella, Sweetwater, &c.; some of them are

> The pruning and dressing of my vines was rather negligently performed for two years, and the proper shape of plants has been injured thereby, and cannot now be corrected without cutting them down nearly to the ground. The vine admits of no neglect—the richness of the fruit depends on the careful cultivation of the vines, as the following experiments, made with Beaume's hydrometer for syrups, will show:

> Hydrometer in water 0 deg. sp. gr. 1.000 In juice of Madeira grape in 1820 6,50 " "
> " " in 1824 9.25 " " in 1824 9,25 " " 1.066 Warrenton grape in 1823 9,25 " 1.066
> " " in 1824 10, " " 1.072
>
> //ild Muscadine grapes 6, " 1.040 Wild Muscadine grapes

66

11, " " 1.080 Wild bunch grapes The foregoing were the degrees of strength in the unpressed juice; when the juice is pressed and mixed, it will be somewhat lighter: the specific gravities corresponding to the several degrees, is taken from the Artist's Manuel, by Cutbush. Beaume's is not an accurate hydrometer: an instrument made of brass with weights, to shew the specific gravities of the juice would be preferable.

That grape which yields the heaviest juice will make the strongest wine; but the grape that yields juice with the nicest proportions of the principles, necessary in a good must, will make the best wine, although it may not be the most spirituous. What may be the best proportions of the principles for a guod must, is unknown; the most obvious of the principles in the juice of ripe grapes are water, sugar, or the sweet principle, tartarous acid or the sour vegetable mucilage, tannin or bitter, colouring and perhaps aroma, and others of less importance. The uses of the principles appear to be as follows:

The water is the principle in which the others are formed and mixed in the grape, and may be in ex-cess or deficient quantity for the others:

The sugar yields the spirit, and is the most material in giving weight to the juice, superior to the weight of water; if the sugar is in too small quancribed: they should be transplanted to climates and tity, the wine will be weak, and perhaps tart; if in tou large proportion to the others, the wine will be sweet:

The tartar is said to contribute to the spirit, and gives the vinous taste to the wine; it may be in too great quantity as in sour grapes, and in too small quantity is in very sweet ones-it assists the ferment-

ing principle:
The vegetable mucilage is the leaven of fermen-Madeira have the coldest and warmest climates for sive fermentation and become acetous; and, if in But in a few years, (say ten,) they will be large the best wines. The vines of Madeira would not too small quantity, the fermentation will be languid, enough to be profitable. In two or three years they suit in Champaign, nor those of Champaign in Mapredominance of the sugar or tartar, because of the

The tannin is a necessary principle for condiment, and to give durability to the wine; it may be in exadapted to wheat and apple trees, is the best for lifteen, or more varieties, and only five have been cess, as in austere grapes, or in deficient quantity worth preserving; three for the table and two from as in very sweet ones; but it generally resides in the stems of the grapes.

The colouring principle resides, generally, in the skins of the grape, but in some kinds it resides in the skins and juice, as in claret grapes; but in white grapes it is absent.

The aromatic principle is of doubtful existence, The quantity of silk manufactured in this town Warrenton vines on a quarter acre of poor piny as Chemists are not agreed whether it is a distinct principle, or is a result of the combination of the others under the fermenting process.

When the grapes are grown to full size, and be-

the berries contain nothing but verjuice which is water, tartarous acid and vegetable mucilage, and suit the quantity of grapes to be collected at one means of drawing you nearer to God; and you may the water is in two small quantity for the others: at time, with kegs, jugs and bottles to hold some of yet apply to yourself those consolatory words—this stage of maturity, we are informed by Maccul-the wine to fill up the casks during the fermentation. Blessed is the barren that is undefiled: she shall loch after Maquer, that if a portion of water is added to the bruised grapes, and subsequent to pres ing vines should be 10, 25 and 33 gallons, in suffi [13.) sure, three pounds of sugar per gallon be added, by cient number to hold 200 gallons; and for an acre childless who please God, and keep the Sabbath, due fermentation the wine will be undistinguishable of vines 10's, 25's, 50's, and 100 gallon casks, in and take hold of his covenant; "Even unto them in strength and flavour from the best white wines of sufficient number to hold 800 gallons." France, whether sparkling or still, according as the fermentation may have been conducted. When the not to be used: for a quarter acre of vines, the box ters: I will give them an everlasting name, that grape is fully grown, and begins to change colour to ripeness, the saccharine begins to be secreted, and four feet square within, and 18 or 20 inches high, or the colour to be formed, as the saccharum principle deep. The press and vats should be under slight increases, the tartar and mucilage decreases, until cover to keep off rain. the grape is ripe. If, when the grape is ripe, there is not a sufficiency of the saccharine principle to frames 30 inches high to hold the fermenting casks, vield the desired quantity of spirit to the wine, which and for the convenience of racking the wine from by affluence and comforts-when happy in the posmay be known by the weight of the must (unferment- the lees into casks placed below on the ground or ed juice,) the legitimate practice is to add sugar floor. It is necessary to ferment the wine above ed juice,) the legitimate practice is to add sugar floor. It is necessary to ferment the wine above with a smiling offspring; when health sparkles in until the tartar is saturated and the weight is suiti-ground, for the carbonic acid gas evolved during your eyes, and pleasure attends your fuotsteps, cient; but if the tartar is super-saturated with sugar, the wine although it is fermented to dryness, may be strong, but will not be of good vinous flavour.

to bring them to a full state of vinous maturity, and their several principles to the nicest proportions that the plant, soil and climate are susceptible of.

When we cultivate the Tokay vines until the juice of the grapes will raise the hydrometer of Beaume to the 10th or 11th degree, we may expect to make wine of the strength and delicious flavour of Tokay.

degree (the latter degree is sp. gr. 1.106,) we may

degree (sp. gr. 1.132,) we may expect to make wine as strong as the best Madeira, without the necessity

of adulterating it with brandy.

But, until the several grapes, before mentioned, shall yield must of those several degrees of strength, sugar will necessarily be added to the must to produce the required strength or spirit, in the several ture to wines. It is only to poor wines that brandy is added drink. to give strength and make them marketable: the Madeira, Port, Sherry and Sicily wines, with which the American markets is supplied, are all of this description, and are mellowed into a fit condition for drinking by a long sea voyage, long residence in the cask, and exposure to several summers of garretic heat when bottled, whereby the brandy is mellowed.

Preparations necessary before the Vintage.

Baskets in sufficient number, 7 inches deep, and to hold a bushel.

Knives with hooked points, to cut the footstalks

of the bunches.

Vats made of white oak staves and heading, four feet high and about 26 inches diameter, with a hole bared two or three inches from the bottom, in which to drive a faucet with a spigot to draw off the wine before pressing. A bunch of vine twigs may be put within, held down by a stone, to prevent the faucet from being choaked by the skins and seeds.

Tubs to receive the wine from the vats and winepress; and pails to transfer the wine from the tubs into a vat, where it is to be mixed before it is pour-

ed into casks.

Wire or hair sieves to strain the wine as it runs from the vats and presses, and separate the skins and secds of the grapes.

Funnels and measures to tun the wine.

A sharp spade to cut up the mare or cheese in the box of the wine-press; and an iron fork with four or five flat prougs to stir up the marc.

The casks necessary for a quarter acre of full bear-

should be two feet square within, and for an acre, shall not be cut off. (Isaiah lvi. 5.)

A store room above ground with strong wooden phere, subsides to the bottom, and would occupy cellar—the gas is destructive to animal life.

A deep cellar, or vault, dry with a moderate degree of light, accommodated with a strong wooden frame 30 inches high, to place the casks on after the wine is drawn from the lees, and for the convenience of drawing off from the lees as they subside during the insensible fermentation, wherever it may be ne-When we cultivate the Burgundy grapes, called cessary. A cellar is the best place of deposite for dance, and laugh, and sing, and who never read of Taconne or Meunier, and the Pinneau, until their wine, being cooler in summer and warmer in winter the near think of the property of the p juice will raise the hydrometer to the 13th or 14th than the common atmosphere. Heat is greatly in- and tremble, ye careless daughters, and know that expect to make wine equal to the best Burgundy and tion too quickly, and keeps it on the fret; cold is also injurious as it retards the progress of msensible ter-When we cultivate the grapes of Madeira, until mentation; the temperature of the wine should be their juice will raise the hydrometer to the 17th as nearly the medium temperature of the climate as practicable, at which state the wine is the most agreeable to drink; for if it is chilled, as in winter, it is necessary to expose it near the fire, to raise the temperature to that of the climate; if the wine is heated, as in summer, it is necessary to cool it by such means as are co venient, to lower its temperature to that of the climate, and make it agreeable to

> Dry brown sugar, in sufficient quantity to add 24 ounces to every gallon of juice, or rather more if necessary to raise the hydrometer to the degree required. When we get grapes to yield juice strong enough, sugar will be unnecessary.

Good French Brandy to rinse the casks, before the wine is poured into them to ferment, and to ruse the casks before racking the wine into them. Hot wine will answer the purpose.
(To be continued.)

LADIES' DEPARTMENT.

A WHISPER TO A NEWLY-MARRIED PAIR

A WHISPER TO THE WIFE.

[Concluded from p. 62.]

Chapter 1X.

were, say to you, "It is not my pleasure for the prayer was heard; and in giving birth to her boy the present to comply with thy heart's wish; but seek me, ill-judging mother expired. and wait on me, and I may yet bring it to pass."
But should this not be the case, even then could you would perhaps adore the motive of his denial, and feel with gratitude your escape from the mise-try which would have attended the completion of the comp ry which would have attended the completion of derer!

Tight, clean white oak casks of various sizes, to your wishes.* The disappointed hope may be the have fruit in the visitation of souls." (Wisdom iii. And again, what a sweet promise to the A wine press, made as a cider press; but straw is place and a name better than of sons and of daugh-

Chapter X. CONCLUSION.

And now, good lady, on the first of all subjects, allow me a moment's attention. When surrounded session of your husband's affections, and blessed the fermentation, being heavier than the atmost then beware lest thou forget the Lord. "Beware and tremble, ye women that are at ease; be trouthe space from the floor to the dours, or surface of bled, ye careless ones: rise up, ye women that are the ground, if the fermentation were carried on in a at ease; hear my voice, ye careless daughters; give ear unto my speech." (Isaiah xxxii. 11, 9.) Now, gentle lady, observe with great attention those very remarkable expressions of the prophet. He says not, Tremble, ye women who live in sin; but, tremble, ye women who live at case. He says not, Be troubled, ye wicked ones; but, Be troubled, ye careless ones-ye careless daughters; ye who dress, and me, nor think of me, nor speak of me. Hear this, jurious to wine, as it urges the insensible fermenta- "she that liveth in pleasure is dead while she liveth." (1 Tim. v. 6.)

MY HUSBAND.

When various nymphs, with beauty's smile, Threw round their fascinating wile, Thy manly bosom to beguile,

My Husband!

Then, who, by love's strong powers impress'd, Selected me from all the rest, And thought me wisest, fairest, best?

My Husband.

Resigning what's call'd liberty, A willing captive now to be, Who gave up all the world for me?

My Husband.

* The author had a relation that was married some years without having a child. Her feelings partook not only of grief, but of anguish: at length, a lovely boy was granted her—"Spare, O God! the life of my blessing," was her constant prayer. Her blessing was spared: he grew to the years of manhood; squandered a fine fortune; married a servant maid; and broke his mother's heart!

Another intimate friend of the author's was inconsolable for not having children. At length, the prospect of her becoming a mother was certain, and her oy was extreme. The moment of trial arrived: for four days and nights her sufferings and torture were not to be allayed by medical skill or human aid. At Perhaps, good lady, it may not be the will of she gave birth to two children, she herself had become your heavenly Father that you should be greeted by the name of mother. Perhaps he may, as it weeping Rachel, "or else I die." (Gen. xxx. 1.) Her

Another impassioned mother, as she bent over the bed of her sick infant, called out, O no; I cannot resign him. It is impossible: I cannot resign him."

Who ploughs, perhaps, the foaming main, Or boldly joins the warrior's train, For me Dame Fortune's smile to gain? My Husband.

Who plants his groves and woodlands o'er, Or tills the fields, or ploughs the moor, To fill my purse with golden store?

My Husband.

Who, led by Wisdom's steady star, Displays his talent near and far, At church, the senate, or the bar?

My Husband.

And who, superior to pretence, With brilliant wit and eloquence, Delights me with his manly sense?

My Husband.

Who clasps me to his faithful breast, And vows, that of such love possess'd, No mortal man was e'er so bless'd?

My Husband

Then let me use my utmost art, Domestic comfort to impart, And never pain thy constant heart,

My Husband!

O ves! with woman's softest powers, I'll pluck the fairest, sweetest flowers, To strew with love thy passing hours,

My Husband!

And crown'd with peace and harmony, Thy life so very sweet shall be Thou'lt bless the day thou weddedst me, My Hushand!

SPORTING CLIC.



CANTON RACES.

FIRST DAY .- One of the most beautiful races we have ever witnessed took place on Monday, on Canton Course. The spirited manner in which each heat, nay every round, was contested, kept up a high degree of excitement among the people. Five horses appeared panting with what among men would be called ambition to compete for the purse.

Brainworm, Fairfax, Rhoderick Dlu, Louisa Sims and the Forest Maid, started eagerly about half past first heat, whilst the rest, near the leading horse, seemed to be moving in harness, so close was the competition: Fairfax came out ahead. In the sefax, the grey filly Louisa Sims shot ahead of the other and gained the beat.-The third heat was closely contested between Louisa Sims, Brainworm, Rhoderick Dhu, and Forest Maid; the grey filly Louisa Sims came in victorious.

Time of running.

1st heat in 5 minutes 52 seconds. 2d heat in 6 do. 2 do. 7 do. 3d heat in 6 do.

Second Day.—The racing over the Canton The weight to be carried is I Course on Tucsday, fully justified the anticipations horses, and a feather for harness. which were entertained of fine sport. The running and contest amongst the horses, were only equalled by the races of the day before. Fairfax, Lady Hal, and Oscar, started for the first heat. The purse vicinity? It would afford an excellent test for the day be held at the Maryland Ta-Hal in the second and third heats, by about a length, for the race horse; who will set it agoing?]

Time of running.

3 m. 55 sec. 1st. Heat 2d. Heat 4 m. 4 m. 20 sec. 3d. Heat 1 Bolted. Fairfax. 2 2 2 Lady Hal, 1 1 Oscar.

HALIFAX RACES, NORTH CAROLINA.

First day sweepstake, 1 mile, was won by Mr. West's filly, Claybank.

Second day proprietor's purse, Mark-Time won. Third day Jockey Club, 4 miles, was won by

Fourth day Handicap, by Mark-Time.

LAURENCEVILLE, VIRGINIA.

First day sweepstake, 1 mile, was won by Mr. Harrison's Epicus.

Second day proprietor's purse, by Mr. Johnston's Betsey Richards.

Third day Mr. Johnston's Shakespeare won the Jockey Club.

BELLEFIELD.

First day sweepstake, 1 mile, by Mr. Johnston's

Second day Jockey Club, was won by Mr. Johnston's Shakespeare.

Third day proprietor's purse, by Mr. Johnston's Betsey Richards.

PETERSBURG, VIRGINIA.

First day sweepstake, I mile, was won by Mr. West's filly, Miss Halifax.

Second day by Mr. Johnston's Betsy Richards. Third day Jockey Club by Mr. Field's Gohanna. Fourth day, Mr. Winn's Ariel.

RICHMOND, VIRGINIA.

First day sweepstake, by Mr. Field's filly. Second day Mr. Elliott's filly Janette, proprietor's

Third day by Ariel. Fourth day by Mark-Time.

Races yet to come-Nottoway, Fredericksburg, Hanover, Gosport, Norfolk, and New York.

NEW-YORK TROTTING CLUB.

The above Club was got up last year with a view noble and most useful of animals; the following are and which, together with a detailed account from 12 o'clock. Fairfax and Louisa Sims, (the grey offered by the Club, as an inducement to persons the Captain, it will give us pleasure to lay before filly) ran side by side for the greater part of the owning good horses to train and enter them for the our readers. We understand that the system purcond heat, when all expectation was raised by Fair-course is near the Jamaica turnpike road, about a believing it better to use other means of ascending mile below the Union Course, L. I.

trotted for on the 16th inst. at 2 o'clock, P. M. under power of the engine alone." the saddle 2 miles and repeat.

2d day the 17th, a purse of \$200 to be trotted for in harness 2 miles and repeat.

3d day the 18th, a sweepstake of \$200, under the saddle 3 miles and repeat; open for trotters, pacers, and rackers.

A piece of plate is to form half of each purse. The weight to be carried is 150 lbs. for saddle

Horses to be entered the day previous at John P.

MISCELLANEOUS.

SOUTHERN NATIONAL ROAD.

Agreeably to a resolution of Congress, an estimate of the probable cost of the construction of the proposed National Road from Washington to New Orleans, has been laid before that body. The following is a view of the aggregate estimates of the three routes surveyed:

ESTIMATE OF THE EASTERN ROAD.

	mile:	s. per mile.	$\mathcal{N}o.$	
Roads	856 5	-8 \$2,400	(1) \$2,055,000	\$
Do.	237 5	-8 5,508	(2) 1,308,838	5-3,304,730 0
Bridges	6 3	-8 246,400	(3) 1,570,800	
Causeways	341	13,000	(4) 445,250	
Do.	1.1	-8 15,758	(5) 17,227	7-562,977 7

Probable distance, 1136 miles, \$5,398,516 2

Probable cost per mile, \$4,752.

ESTIMATE OF THE MIDDLE ROAD.

Do.	315 3-8 745 5-8	per mile. No. \$ 2,240 (6) 4,854 (7) 211,200 (8)	\$706,440	7-4,325,703 1,240,800	¥
Bridges Causeways Do.	0.01	10,865 (9)	396,572		

Probable distance, 1106 miles, . . . \$5,997,802 S

Probable cost per mile, \$5,423.

ESTIMATE OF THE WESTERN ROAD.

	miles	, per mile. No.
Road	3281	41.900 (11) \$623,675
Do.	7783	4,200 (12) 3,270,7503,894,485
Bridges	31	176,000 (13) 572,000 572,000
Causewa	ys 281	9,700 (14) 276,621
Do.	11	11,676 (15) 14,595-291,216

Probable distance, 1140 miles, \$1,757,641

Probable cost per mile, \$4,173.

STEAMBOAT PIONEER.

We learn from the Gazette, "that the Captain of this hoat has just returned, after a most successful voyage on the west branch of the Susquehanna. The boat ascended as high as Big island, which is about sixty-five miles above Northumberland, and only fifteen miles from where the river passes through the Alleghany ridge. The boat was accompanied during of improving the speed of road horses, which they her voyage by a committee of five of the most disconsider the most useful of their species, and it met tinguished men of the country, who are preparing with great encouragement from the admirers of that a report, which we expect to receive in a day or two, prizes, and by these means many horses whose sued in navigating this boat, is the one which the speed is now in obscurity will be brought into notice, proprietor has steadily adhered to, of never attemptand consequently their value enhanced. The Club's ing the rapids or falls by the mere force of steam, The 1st day's purse this spring of \$200 will be terprize by endeavouring to surmount them by the [Balt. Pat.

THE FARMER.

BALTIMORE, FRIDAY, MAY 19, 1826.

MARYLAND AGRICULTURAL SOCIETY ..

45-All Editors of papers will oblige the Maryland Agricultural Society, and promote the cause of the plough, by giving place to the following items.

was won by Mr. Potter's horse Oscar, beating Lady speed and value of harness horses, as the turf does vern, as heretofore, on Thursday and Friday, the first and second days of June next.

All persons who wish to witness the exhibition, and to have the privilege of the grounds, and to promote the objects of the society, may be furnished with a ticket of admission, at the Gate, for \$1

only. All persons, whether members of the Society, or not, who possess fine animals of any kind, are requested to exhibit them in the Society's pens, even brated Short Horn Bull Aid de Camp; she has been

though they may not choose to contend for the pre- lately bulled by Col. Powel's imported Bull, Malcolm. miums. Fine animals may be placed in the pens, and after the exhibition, at 3 o'clock, P. M. on each day, may be exposed to publick sale, without expense to the owner.

To contend for a premium of any kind, it will be necessary that the party should give notice to J. S. Skinner, of the city of Baltimore, at some time before 8 o'clock, on the first day of June. The sooner and many subscribers. notice is given the better!

All articles of Household Manufacture must be

exhibited on the first day of the show.

A place will be provided for the exhibition of Machinery and Implements of Husbandry.

Butter and Ferniented Liquors will be delivered to the Trustees early on the first day, under a private mark or scal, and the names of the successful candidates only will be disclosed.

The owners of Stock are requested to furnish placards to be fixed on the pens, giving, as far as practicable, the pedigree of their animals, and any

other information in their possession

The Trustees will be on the ground at 8 o'clock, A. M. on each day. On the first day they will see that the stock are all in their proper pens, and other objects offered for premium properly arranged.

At 9 o'clock they will meet at their Hall, and the Society be assembled; when the Judges will be auchairman of each Committee a paper of instruc- sire of Messenger;) his grandam Medea, which was by tions, a list of his Committee, their badges, and a Sweet Briar; his great grandam Angeliea by Snap, Relist of the objects to which their attention will be gulus, Bartiet's Unitders; the grandam of your colt by rox," &c.

The Judges will then proceed to the discharge of

their several duties.

At 3 o'clock, P. M. the Public Sale will commence. On the second day, at 9 o'clock, A. M. the Ploughing Match will commence.

From 9 to 11, the polls will be open for the election of officers for the ensuing year. The ballots to be counted after dinner.

At 12 o'clock the Trustees will meet to receive

the Reports of the Judges.

At I o'clock the Society will assemble. The Chairmen of the several Committees will be called on in the order of publication, to read their Reports, and the premiums will be distributed by the President.

At 3 o'clock the sale will be resumed.

Volunteer Premium .- To the owner of the Ram, which, being shorn upon the ground, shall yield the greatest weight of picklock wool, the condition of superior sorts of Apple Trees, are now large enough for the fleece as to cleanliness being taken into consi- removal, other sorts will not be fit for a year or two. deration, will be awarded a silver cup, valued at \$20-By Jose Sylvester Rebello, minister from Brazil.

Persons wishing to have a handbill of the Exhibition, will call at the office of the American Farmer.

The Trustees earnestly hope that they will succeed in making the Maryland Cattle Show and Fair an excellent market for all kinds of fine stock and ing the Accidents and Diseases to which Farmers are implements of husbandry, whether the same be exhibited for premium or not, and that all those who attend from various parts of the State, to buy or sell, will be satisfied with their arrangements.

Amongst other fine stock, horses and cattle, which it is known will be for sale at the Exhibition, we may enumerate and recommend the following:

years old next September; an uncommonly fine ern National Road-Steam Boat Proneer-Maryland animal.

A full bred Devon Bull, nine months old. A full bred Devon Bull, ten weeks old.

A hall bred Devon Heifer. 21 years old, with a Devon Bull Calf by Garrick, 6 months old. A half bred Bull Calf by Garrick, out of the Dun

prize Cow, 8 days old and uncommonly fine.

87-The Editor is requested to say that CECROPS will be answered.

35-Any gentleman, who will give a recipe for curing the murrain in eattle, will oblige the Editor

BLOODED COLT FOR SALE,

Will be offered for sale, on the 1st of June, at the Cattle Show, a blooded Coursired by Tuckahoe. He is allowed by the best judges to be a very superb animal; is a light enestant sorrel, upwards of 15½ hands high, and will be three years old in July next. May 17, 1826.

BLOODED HORSES FOR SALE.

Young Gracehus, three years old in June next-a bright day, upwards of 15% hands high; black mane and The tollowing extract of a letter, from one of the first judges of horses, will furnish those disposed to buy with correct information as to the appearance and bloud of this colt.

"I think him a very fine young horse. He is a horse of the purest blood; the pedigree of his sire, Graechus, is wel known. He was by Old Diomed, his dam by Chanticieer, &c. The dam of your colt by the imported horse Magic, which was by Volunteer, (the sire of nounced by the President, who will deliver to the Spread Eagle;) his dam Marcella by Mambrino, (the

Also, the DAM of the above colt, ten years old; a bright bay and large—and her horse Colt, two weeks old, by Cornwallis; Cornwallis by Florizel; his dam out of Dr. Edelen's celebrated running mare Floretta.

For a reference to the owner, apply to the Editor. May 17, 1826.

GREEN HOUSE PLANTS, SHRUBS, AND FRUIT TREES.

A considerable variety of valuable Plants, and in high order, are for sale at the Green-house of the sub. scriber, on Jamaica Plains, in Roxbury, by applying to the Gardener. Also, Roots and Flowering Shrubs and Trees, and a few thousand of the Neweastle Cockspur Thora, which is the only sort with me, that has not as yet been attacked by the borer, and are three years old. The proprietor is also bringing forward a Nursery of Fruit Trees, every Tree of which is from seed and not suckers, and will be so warranted; some hundreds, of A few large white Dutch Currants, and English Goose-

Roxbury, April 14, 1326. JOHN PRINCE.

CONTENTS OF THIS NUMBER.

Observations on the means of preventing and relievparticularly subject, by James Mease, M. D. continued from p. 35—Curwen in reply to Wm. J. Miller, Esq.— On the preparation and use of Cotton Seed as a Manure -Mexican Onion Seed-Mexican Wheat-Report to Congress, from the Committee on Agriculture, on the Culture and Manufacture of Silk-Essay on the Culture of the Grape Vine and the making of Wine, by Thomas M.Call, Esq. Laurens county, Geo.—Whisper to a New-ly-married Pair, concluded—Races—Canton, Halifax, Laurenceville, Va. Bellefield, Petersburg and Richmond, Garrick, an imported full bred Devon Bull, three Va.-New York Frotting Club--Estimate for the South-Agricultural Society-Editorial-Advertisements.

PRICES CURRENT.

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ı	A DOLGT DO	1	WHO	L	ESALE.	RET	TAIL.
١	. ARTICLES.	per.	fron	_	to	from	to
	BEEF Rollings Dei	bb1		-		1.011	
	BEEF, Baltimore Prime,	bbl.	8			0	
	BACON, and Hams,	lb.		5	71	9	12
	BEES-WAX, Am. yellow		3				50
	COFFEE, Java,	-	1	7	18	22	25
	Havana,		1	8	187		20
	COTTON, Louisiana, &c.	-		4	15		
١	Georgia Upland		1	2	125		
	COTTON YARN, No. 10,		3	0			
	An advance of 1 cent						
۱	each number to No. 18.	_		۱			
1	CANDLES, Mould,	_	1	3	14	16	18
	Dipt,	_	i				124
	CHEESE,			8	10	12	15
	FEATHERS, Live,		3		32	37	15
1	FISH, Herrings, Sus.	bbl.	2 12		2 25	31	
	Shad, trimmed,	001.	7 0		~ 40		
ı						071	
	FLAXSEED, Rough,	oush		"		871	0.00
	FLOUR, Superfine, city,	ppl.	4	إ	4.00	5 00	6 00
	Fine,	-	3 7	5	4 50		
	Susquehanna, superfi.	_	4			4 25	
1	FLAX,	lb.		9	11		
1	GUNPOWDER, Balti	25 lb	5 0			5 50	
1	GRAIN, Indian Corn, .	busb	6	7	70		
-	Wheat, Family Flour,	_	8	5	90		
	do. Lawler,		5		70		
	do. Red,		8	7.0	82		
	n '		6	- 4	66		
			8		00		
1	Barley,	h.ul		- 1	4.05	4 75	
1	Clover Seed, Red	husb		2	4 25	4 75	
	Ruta Baga Seed,	lb.	1	ا		0.00	
1	Orchard Grass Seed,	bush] 7.			2 00	
1	Mangel Wurtzel Seed,	-	1 2	- 4		1 50	
1	Timothy Seed,		2 2.	_ 1		3 00	
1	Oats,		4		47	50	
1	Beans White,) 7	0		1 37	
	HEMP, Russia, clean, .	ton	215		220		
	Do. Country		120		130		
1	HOPS	lb.	2	4		37	
1	HOPS,	10.		7	3	,	
1	LEAD Pig	lb.	6				
1	LEAD, Pig			8	81		
1	Bar		2			60	
1	LEATHER, Soal, best,			- 4	24	62	
1	MOLASSES, sugar-house	gal.	4		201	653	75
-	Havana, 1st qual		2	- 1	285	371	
1	NAILS, 6a20d	lb.	6			9	
	NAVAL STORES, Tar,	bhl.	1 2			į	
	Pitch,		2 2				
	Turpentine, Soft,	-	1 5				
1	OIL, Whale, common, .	gal.	3	0	31	40	
1	Spermaeeti, winter .	_	70	0		88	
1	PORK, Baltimore Mess,	bbl	11 0	0	12 00		
1	do. Prime,		8 5		9 00	1	
1	PLASTER, cargo price,	ton.	4 5	- 1		1	
1	ground,	bbl.	1 50				
1	DICE C	lb.		3		5	6
1	SOAP, Baltimore White,		1		14	18	
1	SOAP, Baltimore White,	Ib.				8	20
1	Brown and yellow,	~]	5	2	30½	38	12
1	WHISKEY, Ist proof, .	gal.	29			1 25	50
1	PEACH BRANDY, 4th pr	_	7.		1 00		
1	APP' E BRANDY, 1st pr		30			50	
1	SUGARS, Havana White,	e.lb.	13 50			15	16
1	do. Brown,	-	9 00		9 50	10	
1	Louisiana,	- 1	7 7		9 50		11
1	Loaf,	lb.	19		22	20	23
1	SPICES, Cloves,	_	70	0	75	1 00	
1	Ginger, Ground,	_		7		12	
1	Pepper,	_	11	7		25	
1	SALT, St. Ubes,	bush	4:	3	45		
1	Liverpool Blown	_	4.		46	75	
1	SHOT, Balt. all sizes, .	ewt.	9 0	- 1	1		
1	WINES, Madeira, L. P.	gal.	2 5	- 1	3 00	3 50	4
1	do. Sicily	2	1 20		- 00	2 00	
1				- 1		1 50	1 50
1	Lisbon,	des		9	Q	5 00	1 75
1	Claret,	doz.	4		8 00	2 50	9 00
1	Port, first quality,	gal.	1 6		2 00	2 30	
1	WOOL, Merino, full bl'd	lb.	3		40	unw	ashed
1	do. erossed,	_	2.		30		ree of
1	Common, Country, .	-	20		. 23	lags	
1	Skinners or Pulled, .		2.	51	30	J	
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1	Printed every Friday, at	\$5 n	er ar	ŋr	um fo	or IO	IN C
1	SKINNER, Editor, by	Jour	J D	T	OV. CO	rner	of St
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SKINNER, Editor, by John D. Toy, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

WOOL.

[In the last volume of the American Farmer, notice was given that we had sent to manufacturers in the Eastern states, for their opinion of their relafrom the flock of Mr. John McDowell, Jr. near Steutive flueness and value, some samples of fine wool benville, Ohio, together with some from the backs the flanks, is the most valuable; and when obtain-some of our eastern breeders and manufacturers, of as many of the high priced Saxony sheep which were sold at Brighton, on the 14th July, 1825, without giving any clue whereby they should distinguish the domestic samples from those of foreign growth. Mr. McDowell's flock, it will be recollected, is derived from that of Mr. W. R. Dickinson. His samples were lettered D, E, F, and those from the imported Saxony sheep were numbered 1, 2, 3. One of the letters received in answer to our inquiries, is subjoined; and when it is seen to be from Mr. James Shepherd, the proprietor of the celebrated manufactory at Northampton, it will inspire the confidence which is due to his known judgment and experience, and will be found, moreover, to contain some valuable and very striking practical suggestions as to the connection between the weight and the value of a fleece, and on both as connected with the condition of the sheep. The experience of Mr. Shepherd will remind the reader of the remark of Dr. Parry, that "a sheep which is fat, has usually comparatively coarse wool; and one which is lean, either from want of food or disease, has the finest wool; and the very same sheep may, at different times, according to these circumstances, have fleeces of all the intermediate qualities from extreme fineness to comparative coarseness."]

Northampton, Jan. 4, 1826. J. S. SEINNER, Esq.,

Sir.-Your letter of the 30th of last month, 1 have received, covering six samples of fine wool, requesting me to determine their relative value. understand their business. The keeping of sheep ment, with the greater product of fine wool. I for me to do that correctly, it would be necessary in not only increases the size and length of the For me to do that correctly, it would be necessary for me to consider each lock as from a pile of assorted wool; for to estimate the value of wool in the the animal, which greatly increases the weight of fleece, it is necessary, if there be a number of fleeces, to examine them one by one, and estimate upon an average; but if it he a single fleece, then three samples taken from the fleece would answer-one from the shoulder, one from the side, and one from the flank. In the samples of the wool sent, there is twenty five per cent. difference in cleanliness, in Mr. SEINNER, favour of letters D, E, and F, the value of which I shall estimate as follows, (calling each sample as general uniformity.) Letter D, 100 cents; E, 90 cents; F, 70 cents. Nos. 1, 2, and 3, I shall also value.

No. 3, 90 cents; No. 2, 75 cents; and No. 1, 60 cents-which last appears to be from two different small that are valuable for improving their breeds. ment of size, and more so to their health and fine. To obtain the most perfect sheep, is in the first place to have its wool of the finest kind and short staple; next to that is the uniformity of its fleece, No. 10. -vol. 8.

to have a sheep with a muffled face and head, and vanced by distinguished and successful English the legs covered with wool, is of no importance- breeders, but when we recollect that none of us are for the manufacturer does not wish for the wool exempt from error, prejudices, and local attachth t grows upon the head or legs; but that which ments, &c. it is but reasonable we should expect grows on the body is the most desirable: hence it some benefit to result from an attempt to investigate is that the animal with a clean velvet face and legs, what we do not understand. Under such impresed can never fail of commanding a price. of the many sheep that I have raised, I have only light on the following opinion of Doctor Parry's, to one of that character, for which \$250 has been of be found in the American Farmer of January 20th. fered without effecting a purchase. I have also a full blood Saxon buck and ewe, the samples of which you have enclosed, (Nos. 22 and 121,) which I value highly for their finences and uniformity. And here I would remark, and refer to the samples, that no buck of the same quality and over one year coarse wool; and one which is lean, either from want old, will ever give so fine a fleece as a ewe of equal of food or discase, has the finest wool; and the very quality from one to six years old, unless the ewe be same sheep may, at different times, according to without lamb and fat; for all sheep give coarser these circumstances, have fleeces of all the interflucces in proportion to their condition; and I esti-mediate qualities from extreme fineness to comparamate the fleece of a ewe in good order, weighing tive coarseness." three pounds, of as much value as that of one in high order, weighing four pounds. All sheep require to be kept in good order, and a flock of ewes more valuable to the farmer, and must be produced from three years and upwards will then yield, upon in its greatest perfection, to enable the American an average, three pounds each of clean washed manufacturer to equal or excel the foreign-such wool; and wethers of the same age and condition inquiries are highly interesting to the curious and will shear four pounds each; and any advance in philosophic, and may be not a little important in deweight beyond that, (in my opinion,) tends to di-minish the value of the wool in about the same pro-portion as the weight is increased. Hence it is, the one from a fat ewe weighing four pounds, and than well fed ones (discased ones must be considerstaple of wool, but it increases the oil and yolk of ter informed on the subject. the wool, oil, &c. without adding to its value.

JAMÉS SHEPHERD. Yours, with respect,

SHEEP.

White Post, Frederick county, Va. Feb. 18, 1826.

Dear Sir,-I have been induced by the gratifying perusal of several papers in the late Nos. of the ties, in short, as have usually been supposed to profrom a ficece well washed upon the sheep, and of American Farmer, on my favourite subject, to offer ceed from an animal capable of affording a due degree you a few remarks, more with a view of eliciting further information, than an expectation of throwing and uniform degree of animal grease to promote its estimate in the same manner, after making allow-ance for its unusual length of staple, which I pre-we are now in a fair way, (since our distinguished the philosophy of wool, and it is presumable there champion in the cattle line, has extended his skill are still many facts hidden, and entirely unknown to sume is owing to its being over a twelve-months' champion in the cattle line, has extended his skill are still many facts hidden, and entirely unknown to growth, which, if otherwise, would be against its and hierality, zeal and science, towards sheep also") us, which appear incredible on their first developeto benefit by the introduction of some of the best ment-hut there is an apparent inconsistency in the breeds in Europe, discriminated by their different assertions of Dr. Parry, that Spanish merinoes have forms and traits of character, adapted to, and further been improved in their wool by British crosses, when parts of the fleece, and one of them from the flank. Introducing a greater variety of useful manufactures, an opinion is at the same time advanced, that discrete samples No. 1, 2, and 3, I should judge to be However important, it is acknowledged to be, to cased and poor sheep have finer wool than healthy from imported Saxon sheep; but they are by no give a general attention to our farm stock, it is perintroducing a greater variety of useful manufactures. an opinion is at the same time advanced, that dismeans the first rate samples, as I will show you by haps particularly so, in relation to cattle and sheep, remarkable for size and fat, fine form, &c.—but not samples enclosed, from my own full blood Saxon uniting as they do, a greater number of valuable for their fineness of wool, and if Spanish merinocs sheep. I have also enclosed samples from half and qualities, consequently, requiring a greater degree have been improved in this particular, is it not pre-turce-quarter blood Saxon sheep, and full blood of skill to bring them to perfection. It is notorious sumable they could not have been of the best kind, Spanish, upon which the Saxons have been crossed. that the subject of sheep and wool is better under-It ought to be remembered that the raising of su-stood in the island of Great Britain, than in any perior bucks, for improving our breed of fine sheep, other portion of the globe, and perhaps there is but is not unlike that of raising a superior stud for the little room left there for improvement. We have improvement of that most valuable animal the reason to anticipate in our own country, where the could not have the effect of ameliorating the wool horse, as the number of either of the animals is soil and climate is at least as congenial to the attain-

and to have a fine uniform fleece, and a good form. attention. It may be by some, thought p resumptu. The form and size of the animal is important; but ous in us to doubt the correctness of theories ad page 1st.

Diseased Sheep have finer fleeces than healthy ones.

"A sheep which is fat, has usually comparatively

'This surely is a subject worthy of serious investigation, inasmuch as fine wool is becoming every day that I value the fleeces of three pounds as much as ed to he a fact, that poor sheep produce finer wool even more; and from the above remarks, I wish to ed entirely out of the question) in addition to the be understood, that any attempts to increase the higher price, it might be urged that a greater numvalue of the shearing of a flock by over-feeding, ber can be kept on the acre of grass land, and on a must fail in the estimation of all manufacturers that scale of more economy throughout their manage-

It is an important inquiry what fine wool is, what properties constitute such wool as is most in demand for the fabrication of broad cloth of the first quality-is it such a fibre as would be pronounced by the naked eye, or with the aid of a glass to have the least circumference without reference to other circumstances; or is it that which, although having a greater apparent coarseness, unites in a greater degree, tenacity, strength, pliability, &c. such properof oil-is not the libre tuberous and requiring a certain of which we know there are considerable varietiesand of the most select British breeds-further is it not natural to suppose that the British sheep imparted to the Spanish, size, constitution and fat, which according to Dr. Parry's own theory. I have not the Doctor's writings to resort to, perhaps there might be found in them a satisfactory explanationmy object is not criticism, but to invite discussion from the informed and experienced on a subject of uch growing importance to the country, and which or 5 pounds, and I had not a bit of mutton fit to and are productive of wool in a reversed order.

pages of the Farmer.

Since writing the above, the letter of Sir John S. Sebright, on the art of improving the breed of domestic animals has come to hand, and I beg, must deprecated in England, but it was that, or yet an adaption to certain soils, climates, and uses, so varibe an apology for some further remarks; while in the entirely new breed. From some of my long wooled ous and multiplied throughout our extensive lands act of expressing the most gratifying admiration at its ability, modesty, and great resource, for future investigation into the nature of the subject, I am his selected descendants—the cross of the long wool the more accurately to test their fitness for different constrained to acknowledge my own ignorance, and on the merino, is by no means as thrifty as the re-soils and climates—something like a system on this the profound darkness which surround those in this verse—the long wooled ewe always gave most vigor subject, emanating from a competent source, might quarter, who are so deeply interested in perfecting to her lamb, I inferred from that circumstance she command respect and excite more general interest. a knowledge of their business-may we not only admire but endcavour to imitate such exampleswere it possible for an obscure farmer to recommend worth from 35 to 40 cents per lb. which is their will please recollect they are intended to set others or add in the least degree to the merit of this paper most valuable quality united with a great propensi to thinking, searching, and writing-not having my-I should pronounce it better worth the frequent perusal and attention of breeders of stock, than any I duce me to breed spring and fall, in order to get a ways sincerely desirous to promote the interests of have met with. Having been a zealous and atten-sufficient number of lambs to keep up the flock-the soil, I employ an occasional rainy day which is tive breeder for more than twenty years I now find this predominant quality has been produced by not all the time a practical farmer can devote to a little myself quite in the back ground, and must begin selecting the rams which I breed from, until they scribbling on the subject, if he does his duty with anow to remodel, and retrace my progress in the art, have yielded me a fleece, so that their form and tolerable faithfulness and success. which I had imagined was in relation to sheep espe-qualities are pretty well developed. I save half a cially, brought to a considerable degree of perfection, and which some might pronounce really so, clude the most indifferent ewes-nevertheless the when brought into comparison with such as have no attempt to unite all the valuable qualities of sheep degree of skill or care taken with them. The fol- in an individual flock, has succeeded no farther than lowing quotation from Sir John, is made with a in obtaining a considerable abundance of good view, of offering a concise statement of my own wool (nnt fine) and a great preponderance to lat- Sir, experience so nearly connected with it, and which I the flesh though good, does not bear a sufficient procould wish would have the effect of producing the portion to the fat, as to rank them mutton sheep, most extensive inquiry. "Although I believe the though weighing from 70 to 80, the ewes-they occasional intermixture of different families to be have not uniformity either in form or fleece. I think their opinions, founded on experience, of the best necessary I do not, by any means, approve of mix-it probable that a competent judge might so divide mode of conducting every operation, from preparang two distinct breeds with the view of uniting the them, as to form from them several distinct breeds ing the ground for planting, until it is packed ready valuable properties of both: this experiment has -although here about they would be pronounced for market; and that I may be fairly entitled to inbeen frequently tried by others, as well as by myto be just the thing. I shall confine my efforts to formation as to the first part, I send you the result self, but has I believe never succeeded. The first the best of my judgment, to a division of them into sclf, but has I believe never succeeded. The first the best of my judgment, to a division of diemaker of my succeeded. The first the best of my judgment, to a division of diemaker and packing.

The objection of the first wool that and packing.

The objection has continued." The objection has raised when the fleece shall not come under the motion produced by water is more regular, the motion produced by water is more regular. tion to a cross is necessarily confined to improved 8 lbs.—the mutton combining with it as well as post and therefore to be preferred to horse power. The and distinct breeds, and therefore does not bear on sible, the largest quantity of good wool. A few saws should revolve 350 times per minute, the brush the improving and necessary practice of crossing days since I lost a ewe in lambing from 18 to 20 wheel about 900; if it moves faster, it will carry any European breed on our undefined races of sheep. months old, not near grown—the weight of her all the motes into the cotton; if slower, the mouth We therefore can be in no danger of going wrong, earcase was 58 lbs. with her head on, and clear of will cheak for want of a sufficient current of air; until we get nearer right; need have no scruples of injuring our flocks by improved crosses-the only question is, with what particular views are we breeding-for the large mutton sheep-the very fine boiled up; so her bone and flesh was but little more swer well. wooled-heaviest fleeced long wooled-or that kind than half her weight-her bone was small, legs of sheep which may be formed out of a great variety of crosses, to suit the purposes of the raiser in a breed might she be classed? domestic way-that is to say, the largest frame, with the greatest quantity of fat, and the greatest succeed in getting the largest portion of good mut-weight of wool of a good quality. I have hereto-ton from the heaviest wooled sheep, whether fine or fore observed that the first cross of the merino or coarse. It would appear that nature in her effort to the long wool produced the most thrifty stock, and supply the surface with a burthen of wool, long and heaviest fleece, a fact which I was unable to account coarse, or short and very fine, receives a check for, but which is now corroborated by the experience which retards the progress of the frame to any of a competent breeder. I have been labouring for great size, such as might be attained by encouragthe last 20 years with the expectation of uniting in ing larger bone, wool of moderate length and fineone breed, the properties which experience now. tells me, belong to at least three, and have succeed-that sheep having fleeces of such quality as will ed no farther than the following concise narrative admit the freest circulation of air to the riskin, conwill shew. About the year 1806, having on hand a stock of tine mutton sheep, an article in greater es- tion of that gross matter we know to exude from timation with our fathers, than wool coarse or fine, them (and which is so necessary to the perfection weighing at that time a good round hundred, and of fine wool) must be the most abundant, sweet and sometimes more, I succeeded in increasing the healthy meat. But it is all important to those who fleece by a cross of the Mount Vernon Persian stock, do not breed principally for fine wool, to mingle in improved by G. W. P. Custis, of Arlington, a gen- the most judicious manner, the most essential qualitleman whose zeal and patriotic exertions in this ties of this valuable animal, good wool and mutcause, merited better success at the time, and de serves the kindest recollections of his countrymen. tion and observation, and either may be made to paper. My neighbour, Wm. M'Candlish, Esq., has I continued to raise this stock for 5 or 6 years—the preponderate according to the inclination or views mutton degenerated as the wool increased-sheared of the breeder-the admixture of what kind of sheep man, with great ease. It requires a very small

has not until lately taken its rank on the valuable eat—the first crosses were very fine sheep, usually Would it not be a valuable essay for some compebrought 4 and 5 dollars when under two years old, tent hand to undertake a description of all the I now found it expedient to breed back again, (if known best breeds already in, or to be obtained the expression may be used) a scheme I know much abroad, for the use of our country; shewing their stock in the neighbourhood, I obtained a ram of —to recommend the importance of keeping up a large size, and have been ever since breeding from strict discrimination in the several breeds, in order was the best milker-but I have again raised them and inquiry. If you think these crude and unconto an average of eight pounds in the dirt, wool nected suggestions worth a place in your paper, you ty to fat, which has become so exceeding as to in- self leisure or opportunity, &c. for either-but aldozen for the sake of a choice occasionally, and exall her fat, which weighed in the rough 28t lbs. this motion of the air must, however, be assisted by weight of skin and wool t23 lbs.-12 lbs. of neat an opening covered with gauze, opposite the gin tallow from the carcase, when very imperfectly short, and she was square built--query, of what

My experience then tells me it is impossible to ness, not thick on the skin. I have but little doubt sequently the most ready perspiration and evaporaton-this will require some experience, much atten-

I am, dear sir, very respectfully, Your obedient servant, RICHARD K. MEADE.

CULTIVATION OF COTTON IN VIRGINIA.

York county, Va., May 9, 1826.

As cotton is a new article of culture in Virginia. and it appears that it will be a great staple among us, I hope your correspondents will furnish you with

in the blow-room, as a tight room will never an-

Cotton should never be packed in round bales, for many reasons; it is very tedious, injurious to health, nor can half a load be put in a wagon to carry to market; it will not sell so well, as a higher freight must be paid by the shipper. What are called "box bales" are still worse, these being square, and "a choese," as it is called, about 20 lbs. being put in at once and rammed down, there is no adhesion of these cheeses, and being many basins formed on the outside of the bale, they collect water when it rains, which runs down the openings, and then the cotton soon mildews and rots. Every person having a gin, should erect a good press, in which sufficient cotton for a bale can be put in at once; there will then be no fissures, and water cannot penetrate it. The most important things in presses are, that they should be compact, so as to be in, or join the blow-room. When distant, as in wood screws, or tobacco lever presses, considerable time and cotton is wasted, and you must be idle in wet weather Another important point is durability; wood screws, when exposed to the weather, soon give out. The best press I have ever seen is the "Twin Lever," recommended by Mr. Smith in your one, where I have seen several bales packed by one 124 sheep averaging eight pounds—then crossed will best succeed is important to ascertain by exspansion and in, for 7 or spans and in, for 7 or 5 years, until my average fleece was reduced to 4 Leicester, are the best mutton stock in our country, But a person packing 100 bales of cotton would month, unless I hear of some better plan.

CINCINNATUS. Your constant reader,

ON DISEASES AND ACCIDENTS OF FAR-MERS.

Observations on the means of preventing and relieving the accidents and diseases, to which farmers are particularly subject. By James Mease, M. D.

From the Memoirs of the Philadelphia Society for promoting Agriculture-Read May, June, July, August, 1825.]

[Concluded from p. 65.] LIGHTNING.

During a thunder storm, while at home, collect the family in a close room having no fire place: no instance having fallen within the knowledge of an inquirer on the subject, of a person being killed in a close room.*

Persons struck with lightning are to be stripped, and have cold water dashed on their bodies, and sprinkled in their face. Friction with coarse cloths is to be applied, every time after the use of the

water.
It is singular, that few farmers when they build a house or barn, will incur a little additional expense for a lightning rod to preserve them from destruction: of those which are erected in town or country, very few are properly constructed. For this reason,

delphia, for the year 1825:

1. The rod should be made of iron, and it will and tinned, to prevent rust, which destroys the of the spouts to moist earth, or into water.

Conducting power of iron. Where the tinning Danger from Exposure to Cold.—A carelessness conducting power of iron. cannot be done, coat the point with black lead; and with respect to this cause of disease, has often proas this will be washed off in time, it must be renewrust, and requires no further attention when once fixed.†

the side or end, so as to project four or five feet, at the harmlessness of cold; but those who use this least, above the chimney, because the heated and argument should reflect on the difference between moist smoky vapour in the tunnel of a chimney, the original stamina of savages, their manners and having a fire on the hearth, will act as a conductor habits, and uniformity of life, and those of civilized to the electrical fluid. To show the importance of society. To be consistent, and to give the arguthis caution, it may be mentioned, that most of the ment weight, they should imitate the savages in all accounts annually published, state the circumstance of lightning passing down chimnies into houses; and the chimney of a house at Purflect in England was quote them, and act agreeably to the constitutions daying out a road, ought to be decided upon by the

tance to insure a speedy dispersion of the electrical and after the use of cold water or snow, should not fluid. It will not answer to let the end of the rod be neglected. merely touch the top of the ground, nor to let it

* This fact was first stated to the Boston Academy of Sciences, by the ingenious Benjamin Dearborn, of Bos-

just touching the ground, and Mr. Thomas Leiper's ther with rigid abstinence and quiet, will often pre house at Crum Creek was shattered, several years vent both complaints. since, notwithstanding he had two conductors to the house, both of which rested on rocks a few feet died of malignant diseases, are often skinned beunder ground.

with a paste of black lead,* to prevent rust, and Several cases have occurred in the United States, also be surrounded by a bushel or two, if possible, of death from this cause, owing to the absorption

and these ought to be firmly connected by a rod, or scratched or cut while covered with the moisture of strip of lead, lying on the roof; because the quanthe dead animal. An account of some deaths from tity of electrical fluid in the cloud passing over one end of a building, may be greater than the rod there more are on record. In case of a wound, scratch, can carry off; and hence the redundant portion will or prick, from ther a bone or knife, being receivspend its force on the house; whereas, if there are ed, however small, by a person while skinning or two rods connected, the lightning will be divided dissecting a dead animal, the part ought to be inbetween them, and the house be saved. Besides, if stantly well washed with ley of ashes, or with soap attached, and there cause havock; such cases have borne. If the hand be in pain, apply pledgets of happened. The house at Purfleet was struck, al- lint dipped in laudanum and lead water, to the though a rod was attached to the ridge, only fortysix feet distant from the corner where the lightning spent its force; and a few years since, near Philathe following directions by the author, are here delphia, one end of a tanner's frame bark house, 70 will follow its confinement. Keep the hand in a inserted from the Agricultural Almanac of Phila- feet long, and having a rod at the other end, was sling, and give opium to procure sleep and diminish also struck and the house consumed.

6. Additional security would be obtained by havbe the better for being round and smooth; the se- ing the water spouts made of copper, and by formveral pieces composing it must be neatly welded ing a communication between them and the rods, however be opened by a dose of calomel and jalap, together, and the top formed into a moderate point, carrying an iron or copper rod from the lower end or rhubarb.

duced serious acute illness, or laid the foundation ed when necessary. It is still better to make the for tedious chronic complaints. Many persons have point of the metal called platina, as that will not an impression, that such exposure is necessary, and particularly praiseworthy in young persons, to render them hardy; and a reference is sometimes made 2. For a dwelling house, the rod should run up to the Indians, who dress lightly in winter, to prove struck, although a rod was affixed to another part we have acquired, and to the circumstances in of it. In a building without a chimney, the rod which we are placed. Let persons, therefore, in ly referred, should be placed on the west side, in preference, civilized life, however hardy they may be, guard In clear because thunder storms commonly come from that against the effects of severe cold; and if unfortuclamps or staples; and the lower end of the rod sure, a limb, or any part feels numb, it should be should enter a stream of water, or the earth two or rubbed with snow, or immersed or washed in cold ed by fevers or dysentery. three fect; then go six fect from the wall, and then water, which will cause a gradual return of vital be bent downwards three or four feet, to prevent heat to the part. Avoid approaching the fire, or damage to the foundation. Where a house is about remaining in a warm room for some hours; for house. In Virginia, a mortal fever was occasioned, to be built, the rod ought to be the first thing pre-pared, as it can be easily inserted in the ground matism will be the consequence. The application (when the cellar is dug,) to a depth to insure its of the simple remedy of the fat of poultry, has reaching moist earth; a point of essential import been found highly beneficial as a local application,

A head-ache should never be trifled with; in

*This may be done by powdering the black lead, mix-

save the whole cost. Cheap things at first, are not rest on a rock, even although it should be a foot or young persons it is the first symptom of a violen, always cheap in the end. I shall creet one next two under the surface, because in neither case will fever; and in those beyond the middle stage of life the electrical fluid be certainly carried off. Houses thus partially protected, have been injured by lightning. About three years since a place of worship in Massachusetts was struck, that had a conductor of the patient, and force of the pain, toge-

> From motives of economy, animals that have fore they are buried. The act is attended with so 4. The lower end of the rod ought to be coated much danger, that it ought not to be attempted. of the aerimonious humours of the dead animal by of charcoal, coarsely pounded and moistened.
>
> 5. There must be two conductors to a building the person engaged in the operation. The danger when it is more than 40 feet long; one at each end, is greatly increased, if the fingers or hand be there be only one rod, the charged cloud may pass and water, then sucked for a minute or two, and a over that end of a long building to which no rod is string tied above the part, as long as it can be wound, and as far up the arm as the pain extends. Should matter form, no time is to be lost in giving vent to it by the knife, to prevent the injury which pain and constitutional irritation. As great debility will take place, the strength must be supported by wine, and porter, or ale. The bowels must

Mill ponds and low swampy places near a house, have often produced fevers of a malignant cast, or bilious remittent fevers, which have proved fatal. Intermittent fevers of an obstinate character, have arisen from the same cause, and by producing obstructions in the liver and spleen, have proved extensive sources of permanent ill health. The wet places should be drained, late in the autumn, or during the winter. Many mill ponds might be dispensed with, by the use of horse power to grind grain for family use; and a small steam engine would obviare the necessity of overflowing many acres of land, to obtain a water power. The expense of erecting one has now ceased to be an objection. The right local authorities, to whom such measures are usual-

In clearing wet land, it is of great importance to drain and dry it thoroughly, before the trees are nately exposed thereto, let them as soon as possible cut down, as the inevitable consequence of an exposure or staples, and the lower and the he the production of highly noxious effluvia, follow-

Care should be taken to prevent exhalations of decaying vegetable substances, in and about the

^{*} Dr. Kercheval, of Bairdstown, Kentucky, relates the history of a disease that was propagated among a num-ber of persons who had flayed some cattle, which had died of a disease attended with inflammatory swellings, ending in gangrene. See Med. Recorder, vol. 4. Mr. tluzard, inspector of the French veterinary schools, observes, that no carcases putrify so quickly, and emit such dangerous exhalations, as those of herbiverous animals, as the horse, the ox, &c. He has seen numeton, in the year 1807.

† These points are made and kept for sale by Isaiah

Lukens, of Philadelphia.

This may do take by powder lead, interpretable from the points are made and kept for sale by Isaiah

Lukens, of Philadelphia.

This may do take by powder lead, interpretable from the points are made feat, instances of this poison among the veterination from the points are made and kept for sale by Isaiah

Lukens, of Philadelphia.

2,545,049

a few years since, by exposing to the sun, a quantity of cedar or express shingles, which had been stored for some years in the cellar of the dwelling house; and a similar fever was more recently pro-

Accidents and complaints, apparently of a trifling nature, often prove very serious in the end, and sources of great suffering. As in war, "discretion" is often "the better part of valour," so in the human system, a little attention to a small injury, may prevent a great evil. Knowing the disposition of of not appearing effeminate, and of a manliness of in the London Times be correct or not, is of little concharacter being shewn, by this inattention to small sequence. The fact of the submission of the Greeks, injuries, I am induced to notice the subject.

More than half the deaths from consumptions, proceed from neglected catarrhs, or as they are complaint, cause weeks of suffering, and often the loss of a joint. Cases of lockjaw and gangrene, eighteen months confinement, with great pain, from permitting the nail of the great toe to grow down and another from puncturing a bunnion on the toe with a lancet; gangrene took place in both inin a film over the pupil, or in a cataract. Other as would amount to 109,000 bags. cases could be quoted, but enough has been said to show the propriety of the advice given.

Some cautions on the subject of family medicines

must be given. No medicine should be kept in open drawers, or in closets used for the purposes of do this than by the following statement as to the the family, for fear of their being swallowed by crop that will probably be exported this year. children, but exclusively in a box or drawer having 1. Ports in the Gulf of Mexa lock and key. This advice is founded upon a knowledge of such accidents having happened. Nor should any medicine be kept, without its name being marked in plain English characters. The remains of unknown compound medicines, when partially used, should be thrown away. Laudanum Add increase of 40 per ct. 128,280-441,528 must be given in a bright state; for when thick, the dose is doubled or trebled from the solid opium suspended in the liquid, and the deaths of children Deduct for home consumphave been caused by the use of such turbid lauda-

Bites of Snakes, additional, (see p. 00.)—While Leaving for exportation, this sheet was at press, I met with another record of the efficacy of the liquor of ammonia, (spirit of hartshorn,) in the case of a child, apparently near dying, by Mr. Burchell, while travelling in South Africa. Ten drops were given in water, every five minutes, until relieved. The medicine was also applied to the travelling in South Vicinity of the Martin Africa. plied to the wound after being scarified, with his penknife.§ In the year 1822, the uniform success of the external and internal use of the same remedy, during eighteen years, was stated in the news-papers, on the authority of Dr. Joseph Moore, of Deduct for home consump-Gibson Port, Mississippi. I ought to have mentioned before, that I was informed when in Georgia, several years since, of the cure by it of a negro, who had been bitten by a rattle snake.

COTTON TRADE.

South Carolina, May 7, 1826.

Whether my lucubrations on the cotton trade duced in Delaware county, Pennsylvania, from the last year, and the folly of persisting in such an indecaying timbers and putrid water in the cellar of creased growth of it, had the effect of cautioning any of your cotton-subscribers, or not, I am alike indifferent and ignorant. So far from there being "not a bale" at Liverpool, as a letter from thence, inserted in a Philadelphia paper, modestly predicted would be the case, I believe my calculations as to the result on 1st Jan. were much more correct: recent accounts tell us that the great powers are about to inmany to neglect themselves, from an absurd notion terfere in the business of Greece. Whether the report almost wholly, if not quite so, depending on a single province, (Egypt.) is sufficient to enable us to determine that, without the interference of the commonly called, colds Neglected felons or whit-lows, and fear of a little acute temporary pain from close. This is the last campaign of Ibrahim, or an incision, which may be necessary to cure that complaint, cause weeks of suffering, and often the only Greece, but in fact the whole of the Mediterranean, will become rivals in the cotton market, have proceeded from cutting a corn on the toe; and cishteen months confinement, with great pain, from thus fill up the room that would otherwise have been occupied by the cotton of the Western world. permitting the nail of the great toe to grow down into the flesh. Sir Astley Cooper† relates the case of one death from cutting a toe nail to the quick; may tell us of the quality of the cotton, and call us and who are now paying either 90 cents in the and another from puncturing a bunnion on the toe remember the stories about East India cotton? Look will conclude this paper in the words of Lord Burstances. Lock jaw from running a thorn or nail in at the price it bears now, and what it did ten years leighthe hand or fout, has already been treated of. A since. Intelligent writers say, that Greece in 1809 neglected inflammation in the eye, has often ended produced for export as much cotton, at \$40 per bag, about thee. For him that putteth his hand to his

to his own well doing, and I think I cannot better their hands.

ico, in 1824-5, shipped 256,000 Add increase, 20 per cent 51,200-307,200

The Carolinas, Georgia, & Virginia in 1824-5, ship't 313,248 748,728 Making a total crop of 100,000

648,728 256,000

85,333-341,333 \$13.428 Virginia,

733,118 100,000

633,118 Leaving for exportation, 3. Ports in the Gulf of Mex-

341,333 ico, (as above,) Virginia, 50,000 The Carolinas & Georgia 263,428 Add 83 per cent, 87,809--351,237 742,570

Making a total crop of Deduct for home consumption, .

Leaving for exportation,

Increase of 25 per cent,

100,000

78,357-391,785

4. Ports in the Gulf of Mex-Bales. ico, 341,333 Virginia, N. Carolina, &c. 50,000 S. Car. & Geo., 263,428 Increase 25 p. ct. 65,857-329,300 Making a total crop of 720,633 Deduct for home consump-100,000 Leaving for exportation, 620,633

Total,

Will produce an average (for the year,) 636,262 Being an increase over 1824-5, of 67,014 Increase of 1824-5 over 1823-4, was 69,091 Export of 1824-5, was 569,248

These calculations are candidly submitted to all those planters who last year flattered themselves that cotton at 20 cents was good for two or three years, and have comparatively abandoned the growth of

"Live not in the country without corn and cattle purse for every expense of household, is like him However, I have no wish to intrude my present that putteth water into a sieve. Keep rather two sentiments, or to vaunt my past prophecies—all I (servants,) too few than one too many. Feed them would attempt, is to call the attention of the farmer well, and then thou mayest boldly require service at AMPHICON.

P. S. I have calculated on a crop of only 567,000 bales—the amount stated in the New York American. To this should be added all that never passed a custom house, and was consumed at home. So that the produce of 1823-4, could scarcely be less than 650,000 bales.

CAMBLET WOOLED SHEEP.

Interesting to Farmers.-We have seen this morning a lamb, from a stock originally of Caraman, in Asia Minor, called the camblet wooled sheep, only three months and a half old, with wool from three to five inches in length covering his whole body. We are no judges of sheep and wool, but we are told by those who are, that this breed is well worthy of the attention of farmers. The lamb belongs to William Shotwell, and is to be seen in the yard of the Dutch church, corner of Nassau and Libertystrects. There is also a full description of the animal with a drawing of him, left at this office. [N. York paper.

WOOL.

Wool is at this moment the most important, and we believe the most profitable object of the landholders' and the husbandman's care. When imposts for the protection of the manufacturer, are indirectly forced upon the products of the industry of nine-tenths of the population, it is astonishing that the landholders and cultivators of the eastern, middle, and western states, have not been brought to strenuously improve their resources, by the production of a commodity which the manufacturers require, which their own necessities need, and which of all others, can be obtained most readily, most cheaply, and can be transported, or can be retained for a market, with little chance of deterioration, and comparatively at very little cost.

In a new country, sheep have few diseases. Dur-

^{*}Many other cases of a similar nature might be quoted.

[†] Lectures on Surgery, vol. 1, London, 1824.

[†] A child in Philadelphia, very recently swallowed two ounces of laudanuur: and the newspapers within a few months, have recorded the death of another child, from having obtained access to a bottle of rum, of which he drank half a pint.

[§] Travels in Southern Africa, vol. 1, p. 392, London, 1822.

little attention, and very slight expense for food. Of all flesh theirs is the most nutritious; of all animals, embraced by the term live-stock, excepting of mutton, and our warehouses stored with foreign wool [Dem. Press.

PROSPECT OF CROPS.

Extract of a letter to the Editor, dated "Queenstown, May 16, 1826."

"The present season has been very favourable for our wheat crops, which look well, where the seed though we are now beginning to feel sensibly the want of rain, and since the last few very warm days the fly is making considerable ravages n the later wheat, particularly on the light thin lands. I regret to inform you that we shall have very little fruit on this shore, which is generally of so choice a quality. Almost entire destruction by the latter frosts."

Respectfully, your obed't serv't, WM. H. TILGHMAN.

SIR, Red House, N. C., May 18, 1826.

"We never have experienced such a dry spring, adjoining counties it will not be worth cutting."

HORTICULTURE.

ON THE CULTURE OF THE GRAPE VINE AND THE MAKING OF WINE,

By Thomas M Call, Esq. of Laurens county, Geo. (Continued from p. 70.)

THE VINTAGE.

In making wine, I recommend, partly, on my own time. experience, and generally, after L. de St. Pierre, the

following practice.

juice heavier, and will make the best wine.

quart or half gallon measure with the juice, and put same quality.

the wine is in full fermentation, the temperature falling in, or a piece of tile or slate will answer the will be from 10 to 20 degress warmer than the atpurpose; when the wine is nearly silent, the bungs When the wine is all drawn off, see that the mosphere: when the fermentation subsides, the heat may be driven tight, and a gimblet hole bored near easks are filled to an inch and an half below the

mosphere.

When the wine is pressed, and turned of the strength of 16 deg. specific gravity 1.123, or nearly 12, and half per cent. heavier than water, the heat swine, they are the most prolific; and of them all, they are the most easily transported. Yet we find our markets not well supplied with the finest kinds come clear and fit to draw off from the lees, the hydrometer sinks one degree deeper than 0 (zero) specific gravity 0.993, which shews that the loss of decide when the wine is dry enough, or its sweetweight by fermentation, is 17 degrees, or 13 per cent. ness has in a great measure disappeared—the wine fermentation goes on, and the wine decreases in to free it from the lees, and prevent it from becomweight for three or four years, or, until the residual saccharum is exhausted in spirit, and the residual to draw the wine from the lees, clear, cool weather leaven is exhausted, and subsides in lees: at this should be chosen, as it is only in such weather that was perfect and the fly did not destroy it in the fall; stage the wine is said to be dry, and will improve it is in good condition. no more.

The fermentation is insensible at first; but in a short hole, and the clear wine be drawn off entirely free time, air bubbles begin to ascend to the surface, from the muddy wine and dregs. which contain carbonic acid gas, and shew that the spirit has begun to be generated from the sugar: after the sensible fermentation is finished. To prethe spirit reacting on the skins of the grape, changes vent the wine taking air, I prepared a wooden faucet the colour of the wine toward that of the ripe grape; to be inserted instead of a cock—to one end of the and, also, reacting on the stems of the grape, the faucet I attached a leathern hose, or tube, 30 inches wine obtains the tannin, for condiment, and for du-long and three-quarters of an inch in diameter, rability: when these are enough, which can only be through which to draw the wine from the full cask within the recollection of the oldest men. In this judged by the appearance and taste being agreea- into the empty one. county the wheat erop is very promising, but in the ble, the wine is drawn off from the vat, strained must is of 16 degrees, seven or eight hours in the vat, when the sulphur matches are burned in it. in warm weather, may not be too long; if the weather is cool or rainy, ten or twelve hours, or even a whole night will not be too long: if wine is ferment-ed too long in the vat, it acquires a husky taste, and is never agreeable, although it will keep for a long cs in the cask, prepare a tapering piece of wood six

pressed wine, and is the heaviest and least colour-When the grapes are fully ripe, cut the footstalks ed: wine that flows from the press, is called pressed lower end, for the purpose of holding the match of the bunches close to the bunch, and lay them in wine, and is lighter and more coloured than the for- while burning in the cask. When the matches have baskets without bruising; and when the baskets are mer: after the wine ceases to flow, the press is raisheaped, convey them to a table near the vats and ed, and the mare or cheese being cut up with a may be known when they will burn no longer, the sharp spade, and stirred, is again pressed, and that ly picked off from the bunches, and the fruit on the which flows is called wine of the first cutting—the

The uses of sulphuring, appear to be—1st. to stems mashed into a vat. Every basket of ripe grapes marc is again cut and mixed, and the wine that tlows exhaust the air in the empty cask, and prevent the will yield something more than three gallons of is called wine of the second cutting—the marc is air, which is a leaven of acetous fermentation, mixjuice, if the grapes are gathered in wet weather, or again cut and pressed, and the wine is called of the ing with the wine-2d. to mix with the wine and in the morning before the dew is dry, but, if gather-third cutting, and is considered inferior, and should neutralize the residual leaven, and cause it to preed in dry weather, and toward the middle of the be fermented by itself—the wine from the vat, the cipitate in lees, from which the wine should be day, less than three gallons may be expected—the pressed wine, and that of the first and second cut- again drawn to prevent their being again mixed ting, should be mixed together in the vat before they with it, and causing a renewal of the insensible When the grapes are mashed in the vat, fill a are tunned to ferment, that the wine may be of the fermentation, and fretting the wine.

the hydrometer to float in it, and note the degree to which it rises: if it rise to the 8th, or 8.5th degree, two of the bung. In a day or two the scum will below; drive the faucet into the head of the full add 5lbs. of dry brown sugar to every basket of rise to the bung: on the second or third day, accord-cask, and place the open end of the leathern tube grapes in the vat, and stir it well to dissolve, and ing to the warmth of the weather, the scum will be in the bung of the empty one—draw the bung of after pressing, the must will probably raise the hydrometer to 16 deg.; this, however, depends on the sionally, at which time introduce the finger and draw the muddy wine into a jug or dryness or dampness of the sugar: if the hydrometer to 16 deg.; this, however, depends on the sionally, at which time introduce the finger and draw the muddy wine into a jug or other small vessel, where it will become clear and ter in the juice rises 10 degrees, add 4 lbs. of sugar to the cask, as far as can be reached. The 3d, 4th do to fill up with. per basket, and after pressure, the instrument will and 5th days, and even longer, the wine will be in probably rise to near the 16th degree: if the instru-full ferment, and more wine should be filled in, to wash it very clean with water, to which some coarse ment does not rise to 16 degrees, add more sugar, let the feculent matter work off. The froth will ul- sand and gravel should be added to scour off the and regulate the strength as may be desired.

When the grapes are mashed in the vat, the temperature of the must will be from 3 to 7 degrees minutes when more wine is poured in; at this stage, the water drain off, rinse it with brandy or hot wine, solder than the atmosphere in the close of the more wine is poured in; at this stage, colder than the atmosphere in the shade; and when the stopples may be laid on to prevent dirt from and treat it as above directed, and it is ready to re-

ing a greater portion of the year, they require very is lessened, and again becomes colder than the at- the bung, fitted with a spile, which should be drawn occasionally to let off the gas; and the bung should only be drawn when more wine is poured in, which may be necessary every three or four days for a

> The time of drawing the wine from the lees must depend on the taste and appearance: the taste must the wine lighter than the must. The insensible should be clear, for the intention in drawing off, is ing hard and ultimately acetous. When it is decided

I omitted to say, in its proper place, that the holes Fermentation.- When the grapes are mashed into in the head of the easks to receive the eock, should the vat, the juice being colder than the atmosphere, be bored not less than three inches from the lower absorbs its heat, and perhaps, its oxygen, which staves in small casks, and about four inches in large causes the fluid to expand and fermentation begins, ones, in order that the lees may settle below the

Nothing is more injurious to new wine than air,

A spare cask is necessary: let it be filled with wathrough a sieve to separate the skins and seeds of the ter for a few days, and when it is well drained rinse grape, and the mare is subjected to the action of it with good French brandy, or a little hot wine, and the press. When the must is only 14 degrees of let it drain out: if the former is used, pour a quart strength, four or five hours in the vat will be long or two of wine into the cask and shake it well, and enough, if the weather is warm and dry; but if the it will prevent the vapour of the brandy taking fire

To prepare the matches, melt some brimstone in an iron vessel, and dip some strips of linen or cotinches long; the small end to go easily into the Wine that is drawn from the vat, is called un-bung; to the small end attach a piece of iron wire six inches long, and bent into a small hook at the exhausted the atmospheric air in the cask, which

Racking off from the Ices.—The fermenting casks

drawn and the casks filled up as before. In January and March, the wine should be drawn

by the August fermentation stirring up the lees. If one year, which is something in a life short and the wine was very clear at the first racking, it need uncertain. Observe the same method in propagatnot be repeated in January—early in March will be ing the tame apple on the wild crab stock.

sufficient.

Wine, in the first year, is continually working in hawthorn, will grow on the hawthorn." the cellar and store-room, and more in bottles than in casks: it drinks differently at different seasons; in from hawthorn stocks, and the grafts for a year or January and February new wine will be potable; two made vigorous growth, they finally declined, and will drink hard during the rising of the sap in and have mostly failed; and notwithstanding some the vines until the flowering season is over; it will few varieties of apples may succeed well on the be again agreeable to drink until the grapes begin hawthorn, they will by no means generally do so.

And I have learned by my own experience, from is over, when it will have become turbid by reason which source I assert the fact, that there are but few of the August fermentation.

vember of the year after the vintage: two years inferred, and which I believe to be contrary to evedistance, it will drink hard on account of the agi-subject. And I may further acknowledge that I that is, the tone of character and general influence tation of the journey, and should have a month of have lost much labour and time, and met with vex-

wine becomes turbid and is wanted for use. When by twice grafting, or grafting upon a graft, every the wine is weak and there is danger to be appre-hended that it may become acetous, in the regular course of the fermentation, fining may be of use; but frequent drawing off and sulphuring is the bet- sir, if attended to, may save some of your readers mand, than to teach and enforce. For example, a ter method. I have not found it necessary to fumi- much labour and time, and from other serious dis- child will never know how to write by a set of rules gate with sulphur oftener than three times; in strong appointments. twine, twice will be sufficient to prevent acetous fermentation.

after fermentation, added French brandy, to give nut, two years being the longest term I could get the requisite strength to the wine. In 1921 and 22, I continued the same practice, but increased the quantity of sugar, and lessened the quantity of brandy; and in 1823, I added no brandy.

(To be continued.)

GRAFTING.

Pottersville, S. C. J. S. SKINNER, Esq.,

By turning to volume 4, p. 6, of the American Farmer, your readers may discover some observations of mine on budding and grafting, with the mntives which called forth the communication. My had large apple trees destroyed by a too liberal founded on the divine principles of Christianity, chief motive for communicating to the public then was, and at all times is, the publication of useful trees of any sort, at any season of the year, to be virtue. To this, all other attainments are wholly facts, rather than to amuse with my own or other injured by heading down; but as this operation subordinate people's conjectures: wherefore, it is due to the I was led by authorities, aided by my own partial prudent to postpone it till the ensuing spring, if not experience. There were two general propositions done before the close of summer.

laid down, neither of which are true:

wild plum stock." I have learned by longer experience, (the most correct teacher,) that though the which, he was under the impression I had hinted peach will produce different crops of fruit on the in the American Farmer; as I cannot recollect whewild plum stock, it will not succeed well-but lives ther I ever answered his letter on this subject, I for some years without flourishing, and finally fails; beg leave through your journal to correct his misand there are some plum stocks on which I could take. I never communicated such a hint for your and boil it, all in quick succession, the roasted bernot even effect an union. In fine, there are very journal; but a correspondent somewhere to the ries soon loosing their flavour if laid by for a day, few plum stocks on which the peach will thrive. I westward, did make some such a communication and the pounded coffee becoming insipid, even in a cle plum, which offers any prospect of success. My for publishing as many facts on vegetable hybrids, necessity economical in the use of this article, follow

clude the air. Every month the bungs should be stock which may be scleeted; or bud the peach on make stocks for the former. the plum in the fall or the close of the summer, and graft the plum with its peach bud the ensning from the lees in the same manner; and again early spring, recollecting to cut the grafts before the sap in August before the wine will have become turbid moves, to ensure successful operation: this will save

2d. "The apple, pear, quince, medlar service, and

Although I have obtained fine crops of apples

tame apples which will ever succeed on the wild crab Wine should not be bottled until October or No- stock, a fact which might not have been rationally rest to recover its goodness. These observations atious disappointments from a want of the know are made on experience.

Fining of Winc.—There is but one case in which about half a dozen other apples, are all I have yet I recommend artificial fining; and that is, when the proved to thrive on the wild crab stock. Perhaps ledge of this simple fact. The Heese crab, with caling rules.

rmentation.

In 1820, I began to make wine from the fruit of each other. I have learned from experience the Fourthly—on regula my small vineyard: the strength of the juice has incorrectness of this assertion; though the white rence to the formation of the character when matured. been already mentioned. I added sugar to the walnut will flourish on the black walnut stock, it rather than by confi must, under the correction of the hydrometer; and will not live for any length of time on the hickory effect of our labour. walnut will flourish on the black walnut stock, it rather than by confining our views to the immediate

them to thrive thereon.

I have found more danger to attend summer pruning, than I at first anticipated. There are of real strength of character, and are rarely toltimes at which it is dangerous to prune on account lowed by corresponding fruits in future life. of bleeding. This property in vines is generally known; but I have observed the apple tree to bleed from year to year, from an ill-timed pruning. cannot certainly say at what time pruning will produce this inconvenience, and no doubt the time will vary according to the lateness or earliness of the season; but I should suppose it would generally happen in May, or the last of April. I have also could answer little or no purpose in forcing buds public to correct some mistaking of facts, into which inserted late in the season, it would be the most the following Observations, are thus stated sepa-

1st. "That every variety of plum, peach, nectain Laurens district, S. C., requested information of rine, apricot and almond, will succeed well on the me, by letter, relative to grafting apples into perin Laurens district, S. C., requested information of follow. simmon and walnut stocks, the practicability of

bungs, and that the bungs are driven tight to ex- plum containing the peach bud on any other plum the latter can, under no management whatever.

ABNER LANDRUM.

LADIES' DEPARTMENT.

HINTS FOR MOTHERS.

GENERAL PRINCIPLES OF EDUCATION.

Success in Education depends-First, more on prevention than cure; more on securing our children from injury, than on forcing upon them what is right. If we wish, for instance, to render a child courageous, we shall effect it, not so much by urging and compelling him to feats of hardihood, as by guarding him from all impressions of terror, or from witnessing a weak and cowardly spirit in others.

Secondly-on example, rather than on precent and advice

As the bodies of children are imperceptibly affected by the air they breathe, so are their minds would be prescrable. When wine is removed to a ry written authority I have seen or heard of on the by the moral atmosphere which surrounds them;

of those with whom they live. Thirdly-on forming habits, rather than on incul-

It is little to tell a child what to do; we must show them how to do it, and see that it is done. It is nothing to enact laws, if we do not take care pointments. We are generally taught by writers who treat of hand, and the power acquired by repeated efforts

Fourthly-on regulating our conduct, with refe-

Premature acquirements, premature quickness of mind, premature feeling, and even premature propriety of conduct, are not often the evidences

Lastly—on bearing in mind a just sense of the comparative importance of the objects at which we

As in the general conduct of life, it is the part of wisdom to sacrifice the less to the greater good; so is this emineutly the case in the subject before us. Now the primary, the essential object of education is this: to form in children a religious habit of mind,

These points, though frequently referred to in rately, that they may the more easily be kept in view, as fundamental principles of universal appli-As one of your readers, a year or two past, living cation, in executing the particular directions that

(To be continued under the head of Truth and Sincerity.)

ARABIAN METHOD OF PREPARING COFFEE.

It is found that the only certain mode of retaining the pure flavour of the coffee, is to roast, pound, have only found one, which I believe to be the mus- I have promised to make the Farmer the medium few hours. The Arabs of the desert, who are from method to save time in propagating the peach as I shall deem descrying publicity, after a due through this stock on other plums, is to bud the peach on the muscle plum in June, and at a favour able season in July or August, graft the muscle the muscle plum in June, and at a favour able season in July or August, graft the muscle the peach, persimpon, and walnut, I feel confident while warm, and the instant the water boils, which

it will generally do by the time the other preparations are completed, so that no time is lost, putting the pounded powder into it, and suffering it to boil, stirring it at the same time for about a minute or two, when it is poured out to drink. As the heverage is taken without sugar or milk, the slightest difference in the flavour is perceptible; and long experience having shown this to be the best way of preserving it in perfection, it is perhaps worth mentionhas become so general.

[Buckingham's Travels.

SPORTING OLIO.



CANTON RACES

The Proprietor's Silver Cup for saddle horses was run for on Wednesday, 17th inst. over the Canton course. Four horses were entered, and from the appearance of the horses, when brought up to the judges' stand, much close running was anticipated, which was justified by the result of the race. The following horses started at the sound of the bugle:

Mr. Potter's borse, Mr. Brightwell's horse, Mr. Montgomery's horse, Mr. Schilling's horse,

The running was very close; but Dr. Montgomery's sorrel horse gained the two first heats, and won the Silver Cup in handsome style. The competition amongst the horses was very close and interesting.

NEW-YORK TROTTING CLUB.

The trotting club purse of \$200 was contested for yesterday, by Screws, Screw Driver, and Betsey Baker. It was won in handsome style by Screw Driver, in two heats. The first two miles in five minutes and thirty-six seconds, the second two miles in five minutes and thirty-eight seconds-\$100 in money, and \$100 in silver plate were delivered by the Vice President, with an appropriate speech. The owners and friends of the winning horse, gave a splen did dinner and champaign, at Snediker's tavern, where the following horses were entered for this day's purse—two miles and repeat, in harness. Tom Thumb, by Garvy Q. Brown, Screws, by Blank, Jersey Kate, by M. Guire. Great sport is expected.

[New York Gazette, May 16, 1826.

MISCELLANEOUS.

REPORT OF THE WEATHER IN THE LA-TITUDE OF RALEIGH.

J. S. SKINNER, Esq.

the state of the weather and other matters appertain- a straight line gives rise to an enormous friction, ing thereto, and I have thought under a similar im-pression that it might be useful—that I would do so trived to obviate. His engine and carriage weigh occasionally. Well then our weather here ever less than a ton, whereas those now in use in Engsince the month of March, has been extremely land weigh from eight to ten tons. His original in-variable indeed, as you will perceive by inspecting tention was to give the carriage a motion of sixteen state, (says the New York National Advocate,) all the table below. Indeed the weather has been under twenty miles an hour; but he has deemed it more commonly changeable and fickle the past month, prudent to move, in the first instance, with a mo

sity, addressed to James Mebane, Esq. of Orange; wherein this subject of the great fickleness of our climate and weather is lucidly explained and philo- Rye, have brought him eighteen lambs within one be considered the father of Millers, remarked to

your valuable journal.

viz: James Mebane, Esq. of Orange county, Ivorum ty-lour loss of the Carolina. The essay goes into a useful and true ex-line eight lbs. each, on an average.

[Portsmouth Journal.] amination of the causes and the difference of former and present modes of agriculture in this country, the means of recruiting our exhausted soils, and ing in detail, particularly as the use of this article improving the bad system of the present times in all respects. But this is somewhat digressing (and as I am fond of "to the point man" I must endea-vour to be so myself.) The present month of March, in this climate, has exceeded in variability of weather, any thing recollected even by the oldest inhabitants. The thermometer (Farenheit's) has raised very greatly indeed, being one day about 40 and 45°, and the next perhaps 82 or 83, or as low down as 35 and so on.

The influence of these sudden changes on the vegetation is, as might be expected, great indeed; in the latter part of February the sun shone with considerable intensity and the leaves and fruit of trees was rapidly expanding and maturing when we had some frosts to succeed, which would have equalled any in November. Inspect the following and you

â	icaui.	iy unuc	lotand a	10,			
		Month,	March		0'	cłock.	
	Day	2	-	35°	-	12	
	Do.		-	829	-	12	
	Do.	-1	_	43°	-	12	
	Do.	8		75°	-	12	
	Do.	10	***	33°	-	12	

Frosts of and on quite throughout the monthfruit all destroyed-even wild fruit and all the leaves of the forest killed-green peas were sold in Wilmington, N. C. the last of February.

P. S. You publish the above or not, just as you think proper. I mean occasionally to favour you think proper. I mean occasionally to favour you with a more regular account of the state of "the hibition is to be held, it is hoped that the mem-Thermometer" in these parts.

N. B. 'The weather has been a compound of all the seasons in every sense of the word.

IRON CASTINGS.

Patterson, N. J. 6th May, 1826.

DEAR SIR-In the Farmer of the 28th ult. there is an inquiry signed L. respecting iron castings .-The kind your correspondent requires may be had at the West Point Found: y Association, Wm Kemble, Esq. New York, agent, I have just procured from them a few segments for a wheel of 14 feet diameter, the handsomest heavy castings I ever saw. Yours, respectfully, JOHN TRAVERS.

STEAM CARRIAGE.

Mr. Stevens has at length put his steam carriage in motion. It travelled round the circle at the Hobuken Hotel, at the rate of about six miles an hour. The curve of this circle is very rank, much Sir—You have requested that your subscribers more so than can be possibly required in purshould favour you and your patrons with reports of suing the route of a road. This great deviation from If you could lay your hand upon an essay on this subject and some other matters connected with "agriculture," by Professor Mitabell of

REMARKABLE INCREASE OF SHEEP.

sophically discussed, it would adorn the columns year, in April; and this year in March, one of the sheep brought three lambs, another two, and the If I am not misinformed the gentleman to whom it is addressed is perhaps one of your subscribers, twelve months. The same sheep yielded him twenviz: James Mebane, Esq. of Orange county, North ty-four lbs. of wool (unwashed) at one shearing,

RECIPES.

TO CLEAN BLACK SILKS,

To bullock's gall, add boiling water sufficient to make it warm, and with a clean sponge, rub the silk well on both sides, squeeze it well out, and proceed again in like manner. Rinse it in spring water, and change the water till perfectly clean, dry it in the a.r. and pin it out on a table; but first dip the sponge in glue-water, and rub it on the wrong side; then dry it before a fire.

TO PRESERVE CLOTHES.

As clothes when laid up for a time, acquire an unpleasant odour, which requires considerable exposure to the atmospheric air, it will be prevented by laying recently made charcoal between the folds of the garments: and even when the odour has taken place, the charcoal will absorb it.

TARMER.

BALTIMORE, FRIDAY, MAY 26, 1826.

The next meeting of the Trustees of the Ma ryland Agricultural Society, is fixed for Saturday next, at the Maryland Tavern. It being the last bers will attend early.

F-It will be recollected that the Cattle Show and Exhibition of domestic manufactures will be held on Thursday and Friday next, and that the proprietors of our steam boats, with a liberality that does them much credit, will transport, free of expense, fine animals intended to be shown for the premiums.

S-We are assured that the Saxon sheep which were brought in the George and Henry, from Bremen, are, for the number, perhaps the purest and best ever brought to this country; as uncommon pains were taken and no expense spared in selecting them. The enterprize to which we are indebt ed for having them in our market, is creditable to the importer, and will, we trust, be well repaid. We are well persuaded, that, with him, it is not an affair of speculation.

VALUABLE IMPORTATION .- Just arrived in the brig George & Henry, captain Baker, from Bremen, twelve fine SAXON SHEEP, selected from the best flocks in Saxony; some of which will be offered for sale at the Cattle Show, on the first of next month.

EXPREME HEAT AND EARLY DE JUGHT.- "The pacomplain of the extreme heat and sultry air which has been experienced on the whole line of the Erie canal to Buffalo. The thermometer has ranged from 90 to 95, for several days together; and having had no rain for a long time, the earth is literally parched up."

The above remarks may be applied to Maryland, Three sheep, owned by Mr. James Philbrick of and far South of it. A gentleman who may now us yesterday, that at no time last summer were of all countries, so intimately intermixed and blendthe streams of water lower than they are now. On ed, according to the ingenious system pursued

COMMUNICATED-BY A CORRESPONDENT. Meeting of the Trustees of the Maryland Agricultural Society.

The last was held, agreeably to adjournment, at WAVERLY. In the absence of a regular report, an early adjournment from the cow-pen to the dairy;

unacceptable.

Whether attracted by the well remembered hospitality, and unfailing good cheer of the old venerable looking brown stone mansion, or by the sheer impulse of duty to promote agricultural improve-pail; rivalling, in this respect, the discriminating ments, this deponent saith not: but so it was, that powers of a celebrated farmer, who discovered that we gentlemen of the plough and the reap-hook met milk of different races, mixed and churned at the once more, in full force and the best dispositions, under the wide-spreading branches of the elm and his favourite Alderney always taking the start o the willow that so well protect Waverly house the rest. The following was finally given by Mr. S from the heat of "raging noon." One of the Trusas as the aggregate proportions of the different breeds tees, arriving later than the rest, * as he dismounted, in the Waverly cow-pen: was heard to repeat, with much feeling and em-

"Welcome ye shades! ye bowery thickets hail! Delicious is your shelter to the soul, As to the hunted hart the sallying spring Or stream full flowing, that his swelling sides Laves, as he floats along the herbag'd brink."

To each Trustee some special duty was assigned for the day of the Show; and a proposition to make for the Waverly dairy, the aforesaid Editor is said every Trustee liable to impeachment and ouster, who should not take something for exhibition wasnot finally acted upon.

R. Wilson, Jr., was appointed counsellor to the Society, with the understanding that he, with the aid of the most zealous member of the Board, is to see that all infractions of our act of incorporation be repressed and punished-by process of law!

The good effect of these agricultural associations was never more apparent, though none can so well relish and appreciate them as those who participate of the fruits they produce. The most sceptical, however, will admit that an institution cannot be bad, which spreads before you on the 18th of May. in a season of unparalleled drought, fine fat lamb, chickens, green peas, eauliflowers, cucumbers, strawberries, &c.

unproductive when it came into the hands of the a pound of salts, and stand him for some hours u present industrious and judicious proprietor; that to his knees, in a running stream Let his owner with the beds of lime stone discovered on the premises, he had made it spin its present rich "Shrill-voic'd and loud, the messenger of and various productions, as a spider does its web—out of its own bowels. The number of thousands of bushels of lime, spread annually upon its surface, would be incredible, were it not for the luxuriant and heavy crops of corn and grass that spring up in attestation of its truth and efficacy.

and that its improvement was to be promoted, and its respectability enhanced, not by brute force, but by mind acting upon such force; the Waverly farm did not yield for the Baltimore market ten pounds of butter per week. Its owner's income from that source alone, is now little short of \$2000 per annum! and all that is sent by land a distance of 16 miles, which Farmers are particularly subject, by Jame and presented to his customers in beautiful pound prints, as hard and as firm as the ice that accompations. Trade—Camblet wooled Sheep—Wool—Prospect of nies it.

the roads there is much difficulty in getting water for travelling and wagon horses.

at Cloud Cap, in opposition to the celebrated Bake-well plan of "in and in," that none but a Seebright connoisseur could tell what blood predominated. None but the author of this hit-all miss-all theory of combinations can ever breed them all "back again," as Mr., Meade says, to their original race and features.

unofficial sketch of their proceedings may not be maintaining, as is his custom, that where the taste can be brought to bear, it is to be preferred in all cases to any other test; and he undertook accordingly to pronounce upon the aggregate of each sesame time, would yield their butter in succession-

I-16 Improved Short Horns;

2-16 unimproved Short Horns, or Holderness;

2-I6 Alderney;

2-16 Devon:

2-16 Kyloe;

I-16 Galloway, or polled breed--all resting upon a solid substratum of country breed.

In the establishment of this lactometrical table to have tasted to an extent that was manifest in re duced sales of butter on the next market day.

As I was compelled, most reluctantly, to leave m generous host at this point of our duties, I leave to you, Mr. Editor, to complete the sketch.

* 85-To produce water founder.—Take a fa horse, that has not been much exercised; drive him off rapidly at noon-day-

"When the heifers seek the cooling lake And in the middle pathway basks the snake"-

give him a gallon of cold water at every pump; an if that does not stiffen him in less than 16 miles you may consider him founder-proof.

FTO CURE WATER FOUNDER.—Tie up his neck We were told by a neighbour, that Waverly was and pierce the jugular with a sharp penknife; giv

> "Shrill-voic'd and loud, the messenger of morn, Calls up the tuneful nations;'

and before he can take two mint juleps, his hors will be able to bring him home.

MERINO SHEEP.

When your journal was put forth to exhort the For sale, a small Flock of Merino Sheep (58 in num ber, including Lambs.) Apply to Israel W. Morris importance and proper influence of their calling; and that its improvement was to be recalled to the control of the property of the control of the property of the property

CONTENTS OF THIS NUMBER.

Wool, Mr. Shepherd's opinion of samples sent by the Editor—Richard K. Meade on Sheep—Cultivation of Cotton in Virginia—Observations on the means of proventing and relieving the Accidents and Diseases Crops-Essay on the Culture of the Grape Vinc and th After dinner, to which, after the laborious session of the Board, we repaired with appetites "nothing loth," the company expressing, very naturally, a desire to visit the cow-pen and the dairy which had proved so productive, they were readily indulged. In the former were found all the breeds the Communication—Editorial—Advertisement.

Crops—Essay on the Culture of the Grape vine and the making of Wine, by Thomas M'Call, Esq. Laurens eounty, Geo. continued—On Grafting—Hints for Mothers—Arabian method of preparing Coffee—Canton Raees—New York Trotting Club—Report of the Weather in the latitude of Raleign, N. C.—tron Castings—Mr. Stewens' Steam Carriage—Cattle Show—Heat and Drought —Communication—Editorial—Advertisement.

	PRICES C	UR	REN	T.		
ì			WHOLE	SALE	RET	FAIL.
	ARTICLES.	per.	from	to	from	to
	BEEF, Baltimore Prime,	bbl.	7 50	8		
,	BACON, and Hams,	lb.	5		9	12
	BEES-WAX, Am. yellow	_	33			50
9	COFFEE, Java,	-	17	18	22	25
ľ	Havana,	-	17	174		20
1	COTTON, Louisiana, &c.		14	15		
;	Georgia Upland, COTTON YARN, No. 10,		11 30	121		
é	An advance of 1 cent		30			
]	each number to No. 18.	_				
-	CANDLES, Mould,	_	13	14	16	18
-	Dipt,	-	12			14
е	CHEESE,		8	- 10	12	15
r	FEATHERS, Live,	bb1	2 25	33	37	
t	FISH, Herrings, Sus. Shad, trimmed,	bbl.	7 00			
e	FLAXSEED, Rough,	oush	75		871	
ıſ	FLOUR, Superfine, city,	bbl.	4		5 00	6 00
		_	3 75	4 50		
۶.	Susquehanna, superfi.	-	4		4 25	
S	FLAX,	lb.	5 00	11	5 50	
	GUNPOWDER, Balti.	25 lb bush	5 00 67	70	3 30	
	GRAIN, Indian Corn, . Wheat, Family Flour,	00311	85	90		
	do. Lawler,	_	50	70		
	do. Red,	-	80	82		
	Rye,	-	68			
P	Barley,	<u> </u>	9 971	4 25	1 75	
n	Clover Seed, Red	bush lb.	3 87½	4 25	4 75	
e	Ruta Baga Seed, Orchard Grass Seed,	bush	1 75		2 00	
d)	I 25		1 50	
-	m' 12 C 1	1 —	2 25		3 00	
	Oats,	-	46	47		}
v	Oats,	<u> - </u>	1 70	000	1 87	1
j	HEMP, Russia, efean, .	ton	215 120	220 130		
	Do. Country	1b.	20	130	31	
	HOPS,	10.	7	8		
		lb.	61			
a1	Bar		8	81		
n	LEATHER, Soal, Dest,	-	28	24	62 62 1	
	MOLASSES, sugar-house	gal.	45	30		
	Havana, 1st qual NAILS, 6a20d	ib.	61		9	
ć		hbl.	- 00	1 38		
s	Ditab	_	2 25			
9	Turpentine, Soft,	-	1 50	31	10	
	OIL, Whale, common, .	gal.	30	21	88	
	Spermaceti, winter .	bbl		12 00		
ī		001	8 50	9 00	1	
76	DI ACTED come price	ton	1 001	4 50		
1	ground	bbl	1 50			
	RICE, fresh	lb	234	3	1	1
	SOAP, Baltimore White	, lb.	12			
	Brown and yellow.	, -	5½ 29½			
	WHISKEY, 1st proof, PEACH BRANDY, 4th pr	gal.	75	1 00		
3 (APPLE BRANDY, 1st pi		36	(50	}
	SUGARS, Havana White	, c.lb		1 - 0-	15	16
	do. Brown,	-	9 00			1.
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n		1b.	70			
is			7	1	1:2	2
n	Pepper,	-	164	17		5
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1	SHOT, Balt, all sizes, .	cwi	0 00	1 ~ ~	S 50	
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SKINNER, Editor, by John D. Tox, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

PENNSYLVANIA AGRICULTURAL SO-CIETY.

Quarterly Meeting.

The Chairman of the Committee appointed to confer with the Board of Health on their communication read at their last meeting, reported-

That he had been examined by a Committee of the members of the city and county delegation at Harrisburg—that a law had been passed to effect the objects contemplated, and that he had no doubt very useful results would proceed therefrom.

The following communications were read:

From the Secretary of the New York Agricultural certificate: Board, presenting the third volume of their Memoirs, an interesting and valuable work, embrac-

From James Williams, Esq., of Hilton, Philadelphia county, on the comparative merits of various esculent roots-on the seasons for sowing them -on prejudices as to the influence of the moon upon vegetation-on an ingenious contrivance skill, displayed by Mr. Walker, in the manage- agreed perfectly in the time. ment of his farm near Holmesburg.

From J. Whitaker, Esq., of Burley, Yorkshire, Eng. giving his mode of managing and rearing calves, condemning the practice of feeding them from not exceeding sixty dollars; it was pails, shewing that his finest short horned heifers are reared by allowing one "nurse" to nourish two calves until the early part of the autumnthat during the winter they are fed with straw, tur-nip tops, sometimes with a tittle linsced cake meal—ifirst cost, and transportation. the succeeding summer they are kept on grass alone, and the following winter fed, together with

From a gentleman of Philadelphia, inquiring as to the probable success of a German farmer, disposed to emigrate with a flock of 500 Merino sheep—the district of country best suited to his DEAR SIR,

purposes, and the price of land, &c.

the dry cows, on straw and turnips.

From Mr. Massey, of Delaware, on his decided which he writes. His suggestions are important on speed and bottom, to the most beautiful English preference for white cattle, as better fitted to enthe subject of breeding generally, and I flatter racer, if I desired to propagate and perpetuate those dure heat.

From a gentleman in New York, complimenting ty of publishing his letter in your valuable paper.

the Society upon their exertions for the introduction of the introduc

From a gentleman in Connecticut, ordering an Improved Short Horned bull calf, adding-"I am

From a gentleman in Kentucky, who had some years ed Bull, and coarse woolled sheep, contending "it the silver cup which has been offered in such flat-must be greatly to the interest of the farmers of tering terms. Should there be room in the wagon, cludes Kentucky, Tennessee, illinois, &c. No. 11. -vol. 8.

ject import some such sheep."

As the three last letters were not intended for publication, merely passages from them were read. and the names of the parties were withheld.

The Recording Secretary presented the following

"I certify that I witnessed a performance of Wye Comet, an Improved Durham Short Horn Bull, ing the most important topics of agricultural in- lately belonging to Col. Powel, on the 3d inst. He walked a measured mile on the turnpike, led by a boy, in precisely eleven minutes."

WILLIAM HUGHS. (Signed) April 8, 1826.

This was corroborated by the Recording Secre for depositing seeds in drills-on deep ploughing, tary, who stated that he also witnessed the perforand the advantage of stirring the soil between mance, and that there could have been no mistake. growing crops-on the extraordinary success and he and two others having held watches, and having

A member having stated that he was led to believe that the cost of the best Saxony sheep in Germany would admit of their sale here, at prices

Resolved, that the Corresponding Secretary be instructed to communicate in behalf of the Society, with such persons as he shall deem fit, to obtain accurate information as to the expense attending their

(From the Minutes,) JOHN P. MILNOR.

Record's Secretary.

SHEEP HUSBANDRY-SAXONY MERINOES

Steubenville, May 22, 1826.

In a late number of the American Farmer, Mr. From Loyd Jones, Esq., of Montgomery county, McDowell was requested by a "Connecticut Far-ficient to defray the original cost and charges. That on orchard grass—its superiority for pasturage— mer" to state "when and by whom the sheep were its excellence when converted into hay—its nu-imported from Saxony, from which his flock was tritions properties-the large quantity of seeds it descended." As Mr. McDowell purchased his Me of equal quality, directly from Spain; thinking it affords—the profits of its cultivation—the causes ringes from me in the first instance, and as I was best to procure the water at the fountain head, as of its occasional failure, from the want of accu- his author with regard to their Saxon origin, (though less liable to impurities than further down the raey in tillage, and the bad quality of the seeds, in truth I never valued the sheep the more on that too often encumbered with chaff, and frequently account.) I felt it to be my duty to write to Mr. the external qualifications of a full blooded Merino; injured by improper management in securing Caldwell, from whom I purchased the foundation but no experienced breeder would think it equally them.

Caldwell, from whom I purchased the foundation but no experienced breeder would think it equally them. Mr. Jones' communication was confirmed, by the enclosing you the reply of that gentleman, who is experience of Mr. G. W. Roberts and Mr. Powel. a practical man, and a master of the subject about would prefer one of the best horses of Arabia, for myself that you will be pleased with an opportuni-

tion of improved races of farm stock, applying for Merino sheep, Mr. Caldwell, with a discrimina-been kept pure and unmixed in Saxony. The confor Improved Short Horns, and Southdown sheep, tion surpassed by no one in the country, purchased trary practice, would be gradually, but CERTAINLY, and asserting that he had found root crops highly up the eream of almost every importation from breeding back again into the common stock of the valuable in promoting the health, and the useful secretions in neat cattle and sheep.

Spain, during the period of the invasion of that country. I have, however, every reason to believe, claration of peace in 1815, he sold the principal part of his time flock to the Messrs. Howells, of decidedly in favour of the cattle" (Improved Dur- New Jersey, who transferred it finally to my eare; ham Short Horns,) "and think them superior to any other breed although I am an owner of Deleast,) its original purity and excellence. In numbers, it has greatly improved.

since imported short horned and long horned cat- of my fine rams, to be exhibited at your approach- rated my flock. tle, inquiring for an Improved Durham Short Horn- ing cattle show; and I will presume to compete for

this state to increase the quantity of wool, with- I will send one or two more. If they reach you in out much increase the quantity of woot, without much increase of the number of sheep. They
want wool of a strong staple, easily minufactured into blankets, linseys, kerseys, &c. for negre
clothing, and for working clothes for the whites.

Ninc tenths of our wool is consumed in such
ter terms.* My chief object, however, in sending. fabrics. A cross by males of the long woolled is to demonstrate to the manufacturers of the counbreed, on the females of the common breed of try, that we can raise in the United States, a super our state, would, I think, best answer such an abundance of wool of the first quality, upon better end. My intention was to have associated two terms than we can get it for from abroad; and that or three gentlemen with myself, and for this ob- the farmers only want their encouragement to commence the business of sheep raising. The obser vation of Mr. Caldwell accords with my own experi ence, that the wool improves in this country, t where proper attention is paid to the animal as to food, and protection from the weather; and above all kept pure and unadulterated. It is worthy of remark, that he considers it unsafe to breed from an animal, whatever may be his external appearance, which has a partiele of base blood in him.

I am, very truly, your friend And obed't serv't,
W. R. DICKINSON.

JOHN S. SKINNER, Esq.

Phitadelphia, April 11, 1826.

W. R. DICKINSON, Esq., ? Steubenville:

Dear Sir,-In compliance with your request, I proceed to communicate the information you desire respecting the origin of my Merino flock, as correctly as my memory will permit. In the fall of the year 1806, I purchased one ram and two ewes from Col. Humphrey's Merino flock, for which I paid \$300. This ram was accidentally killed a short time after; and in the spring of 1807, Mr. Basse Moller imported into Philadelphia six Merino sheep, which he said had been obtained by him, from the flock of the Prince of Hesse Cassel. These sheep were all remarkably fine animals, and at Mr. Muller's request I took them to my farm, and kept them until they had recovered from the effects of the voyage, and were in proper condition to travel. I then prevailed on Mr. Muller to let me have one of these rams, and to name his own price; he consented to this as a personal favour, and did not consider it as a sale when he named \$100 as about sufsum was paid by me with great satisfaction, although at that time I would rather have had a ram qualities. And even now I would rather cross with the best Spanish ram, than with the best Saxon Merino, unless I knew that the Merino blood had

^{*}I have now between one and two hundred fine rams which will compare, in my humble opinion, with the best in Saxony; and I have for the last twelve years been compelled to castrate nearly all my males. The ast,) its original purity and executive. It had specimen now sent will determine the specimen now sent will be specimen now sent specimen now sent will determine their fineness, com-

[†] I allude to Ohio.

[†] Mr. Caldwell says "every part." Mr. Partridge in-

under a mistake in thinking that Columbus was the begotten by Columbus, and was, in my opinion, in expect the natural history of this insect, which all respects, a superior sheep. I now think that cannot be equalled any where. Americus was the best Merino ram that I have ever met with; although I have travelled from Boston to Alexandria for the purpose of examining all the early importations from Spain, and of purchasing the best that I could find.

I have expended more than \$40,000 upon Merino sheep, but never could find one equal to Americus in every respect. I do not remember the weight of Columbus, but his fleece never weighed more than 94 los, which I also sold at \$2 per lb. Mr. Howell paid me \$300 for Columbus, at a time when the best imported Spanish rams were to be had for \$50; and some time after, when the price of Merinoes was considerably lower, the same Mr. Howell gave me five hundred dollars for Americus. I presume that you have mistaken the names of these two sheep.

Mr. Dupont, of Brandywine, has lately imported some Saxon Merinoes. He thinks them better altogether than the Spanish, and he is an excellent judge. I know of no individual more competent to decide the question. Nevertheless, for the reasons already given, I think the Spanish Merino the most valuable acquisition to this country; and they have always improved in every part of America, where they have had an abundance of food, and been protected from the weather, and above all kept pure and unadulterated.

With the greatest respect, Your obed't serv't,

JAMES CALDWELL.

N. B. The greatest part of the Saxon Merinoes are most probably the result of repeated crosses with Spanish rams.

HESSIAN FLY-WEEVIL FLY.

Eastern Shore, May 24, 1826. J. S. SKINNER, Esq.,

Dear Sir,-It would appear that the farmer, and more especially the grain farmer, always has something to annoy him, either before his crop has come to maturity, or in getting it in; or after it is got home, either in the house or stack. The Hessian tly maintains its character of being the most destructive insect to the wheat crop, that has ever been known in this or any other country. If the wheat is sown too early, this insect is sure to make J. S. Skinner, Esq., havock in it in the autumn, and too often it makes its ravages in the spring, under every and all circumstances. In fact, no human invention or foresight can guard against its effects, thus making the the eggs of this insect I should like to make a be-wheat crop a precarious one. But now, and for ginning this year, as I have several Mulberry trees some two or three years, the Weevil fly has attacked the grain itself of the wheat; and if not arrestsubstance of every grain, leaving nothing but the you will greatly oblige me. skin. It was only last year that farmers began to know the necessity of getting out their wheat early in August, and letting it lay in the chaff, or fanning it out and letting it lay in bulk!

About forty years ago, this same Weevil fly did vast injury to the wheat; and I do not recollect that the practice was ever so generally pursued as to stop its progress by getting the wheat out early, though advised by, I think, Mr. Jefferson, one of our late Presidents; but that it gradually disappeared, until the last two or three years! If I am right in my recollection, that this great man, who stands ago make the discovery of the beneficial effects of the unpressed juice 940-added 15 lbs. of dry brown

best ram in my flock. It was Americus that shear-ed 12½ lbs. of wool which I sold for \$25 eash. It the Weevil fly would cease to do any injury to the was Americus that weighed 148 lbs. Americus was wheat after it is cut down. From his pen we might with.

qualled any whole.
I am, your obedient serv't,

A FARMER.

PROSPECT OF CROPS.

The fly made its appearance later than usual this season, owing to the cool and damp weather. The heat and drought of May brought it into life and action, and its ravages have been severe: whole fields are now destroyed; the thin lands will scarcely produce their seed; some not half. The good and the manured lands are greatly injured, and the continued drought prevents recovery. Prospects are gloomy. Upon the whole, we have scarcely seen the approach of June so near, with such generally bad appearances. Rain, even now, would improve the well farmed land crops, but nothing can restore the general loss.

Corn is low and later, but the drought enables the farmer to work it well and to destroy the weeds and grass. In its young state, Indian corn suffers but little from drought. Oats promise nothing; the gardens suffer extremely; the fruit generally destroyed. Grass never promised a worse crop.

[Easton Gazette, May 27.

Charleston, S. C., May 22, 1826. MR. SKINNER,

"I am but a few days from my plantation, where I have been busily employed in setting my crop, which at present promises well, notwithstanding the great there be no rain for a fortnight or three weeks, sufficient to freshen them, there will be but little rice made. The cotton and corn crops are now suffering. Of oats, rye, and barley, there will be little or none made."

MORTICULTURE.

SILK WORM.

Easton, May 24, 1826.

Dear Sir,-In your last American Farmer, I read the report of the Committee of Congress on the subject of the silk worm. If I could get a few of which are large, and would feed a thousand and more of the worms. If you could procure some of ed in its progress, it has been known to eat up the the eggs and send them over by the steam boat, Madeira vines, that bore ten or fifteen bunches

Respectfully, &c.

ENNALLS MARTIN.

ON THE CULTURE OF THE GRAPE VINE AND THE MAKING OF WINE,

By Thomas M. Call, Esq. of Laurens county, Geo. (Continued from p. 78.)

THE VINTAGE.

preeminent in general science, did some forty years five baskets of Warrenton grapes; hydrometer in is preferable,

that those sheep imported by Mr. Muller, were per- getting out wheat early in August, and letting it sugar in the vat, and let it ferment four hours, feetly pure Merinoes, and I think that Columbus lay in the chaff, and thus destroying the eggs of was the first descendant from Muller and and one of Col. Humphrey's ewes. You are certainly benefit to this country by publishing his knowledge the lees, it was clear and of a fine amber colour: it and experience on the subject of the Wcevil fly. has become stronger than French wine, and may

> August 14th, collected a basket of wild bunch grapes and a basket and a half of berries of the wild muscadine: strength each as already mentioned; mixed them together and added 9 lbs. of sugar in the vat, where it fermented all night; pressed seven gallons of 12½°—added 3 lbs. more sugar, which raised the hydrometer 14°. When the wine was drawn from the lees, it was of a full claret colour, and of excellent nutty flavour, but a little tart. This wine is stronger and more flavoured than any French wine that I have tasted.

> August 14th, collected eight baskets of Warren tons, three of Madeiras, and two of wild bunch grapes, and mixed in the vat—unpressed juice 84 deg.; added 52 lbs. sugar and let it ferment five hours; pressed 36 gallons of 15 deg. This wine is of the Madeira colour, is strong enough for its age and of superior flavour to any Madeira wine that

have tasted at eighteen months old.

August 21st and 29th.-On these days I collected 21 baskets of Madeiras and six of Warrentons-unpressed juice 8 deg.; added 117 lbs. sugar and let it ferment six hours; pressed at the several times inclusive, 88 gallons of 14 deg. This wine was c the Madeira colour, not so strong as the former and was somewhat tart; the tartarous acid in the grapes was not sufficiently saturated with sugar.

September 11, collected six baskets of Warren tons and one of Madeiras, and two of very ripe wild muscadines-unpressed juice 8 deg.; added 4 lbs. sugar, and let it ferment in the vat all night pressed 30 gallons of must of 14 deg. s of higher colour than Madeira, and for a yeahad a disagreeable honey taste from the very ripe weeks past. The rivers throughout the State are muscachnes; but that flavour has nearly disappear ed, and the wine was, recently, preferred by seve rice is planted, are in a suffering state. Should ral guests at the table of a neighbouring gentleman lon by a half pipe.

Grapes 56 baskets, Sugar 286 lbs. Must 173 gals.

 lees		
	. ~2	34

Product of 120 vines, on a quarter acre, 126 gals.

No brandy was added.

The whole of the vintage season was wet, except the first collection of the grapes: the grapes from the vineyard the 11th Sept. did not change colour, because of the rain and cloudy weather; the ripe muscadines gave colour to the wine.

Experiments in 1824 .- In 1824, I had 240 young each, for the first time, in addition to my former

The wild grapes so generally rotted on the vines, that I obtained only one basket of the grape-unpressed juice 11 deg.; added 4½ lbs. of brown sugar in the vat, and let it ferment six hours; pressed nearly three gallons of must, which raised the hy-drometer 16 degrees. The fermentation was over in five days; and the wine was made and become clear by the 16th of October, when it was racked and sulphured. By the 17th of February, 1825, it became so well matured that I bottled it; the colour Experiments in 1823 .- August the 6th, collected and taste resembles the best claret, but the flavour

August 11th, collected 5 baskets of Warrentons

and let it ferment five hours; pressed 13 gallons of saccharine principle is increased. must, of 164 deg. The season was dry, and the quantity of must being less than expected, the tar-tar and but little mucilage: to add sugar until the

The season was wet, and the quantity of must can only be judged of when the wine gets older. These wines have the colour and flavour of that of 1823, at the same age.

The Madeira grapes ripened on the 12th, 16th. 19th, 21st, and 25th of August, and the several parts of the vintage manufactured separately. The 16th, 19th, and 21st.) 55 baskets of grapes were vats, where it fermented six hours; pressed at the several times 193 gallons of must, which was regulated to 16 deg. by adding a small part of the sugar after pressure. In making the wine of the 16th, and for the priests and nobles of Portugal: their is equal in value to \$1988.75 money at interest. stripped off the berries from the stems before mashing them in the vat, to try the difference it would make in the wine: divesting the grapes of the stems, was a cause of some difficulty in pressing, by the want of something to hold the mare together dur-ing that operation: it seems to me that this wine is tannin from the stems is wanting. On the 25th, 14 baskets were collected; added 93 lbs. of sugar and fermented in the vat seven hours; pressed fifty one to the use of strong brandy and poor wine mixed, gallons of 17 degrees.

69 baskets Madeiras, 395 lbs. sugar, Must 244 gals. " Warrentons, 41 " Wild bunch, 4 29 do. do. 3 4.5 do. do. 276 80 440.5

Thermometer in the wine in full fermentation was 92 deg.; when in the shade it was 73 deg. Mr. present time. Adlum observes, that with him it was once 115 deg. in the fermenting wine.

November 13th, the wine had all become clear,

nd was drawn off from the lees.	
Must from Madeira grapes 244	gals.
Loss by breaking demijohns . 9	
Do fermentation 16	
Do. lees	
Clear wine · · · 183	
Must of Warrenton grapes 29	
Loss in fermentation 2	
Do. lees 2— 4— 25	
Total clear wine 208	gals.

and probably not more than 50 gallons of it was from the young vines.

and much superior to any Madeira wine that is imported. This grape has much tartar and mucilage, This shows, that we cannot drink the best French give the best flavour; it should not be less than 16, hest qualities of French wines. nor need it be greater than 17 degrees.

will probabbly be sufficient; for as the vines grow soil would yield much more,

-unpressed juice 10 deg.; added 20 lbs. of sugar, older, the tartar in the grape diminishes, and the

tarous acid was rather super-saturated with sugar. must is 16 deg, is sufficient to saturate the tartar, August 18th, collected rather more than five and the wine will be strong and highly flavoured. baskets of Warrentons-unpressed juice 10 deg.; If this vine were cultivated for ten years, the juice added 21 lbs. sugar and let it ferment five hours; of the grapes would probably increase in weight pressed sixteen gallons of between 15 and 16 deg. and richness to the 14th degree, or even more; in which case it would probably make wine as strong more than was expected; and the wine appears to and as highly flavoured as the best red wine of have rather too small a quantity of sugar, which France. Some of the high land varieties of this grape have much sweeter juice than the one I have used, and considerably resemble, in plant and fruit, the Warrenton-but the juice of the Warrenton is

la Madeira, the average crop, according to Staunton, is 25,000 pipes; value 200,000l, sterling; the unpressed juice varied from 8½ to 9½ deg., as the highest price per pipe 60l.; the average price is less season was more or less wet. The first four (12th, than 14l. a pipe. Nearly half the wine is too poor than 14t. a pipe. Nearly half the wine is too poor for market, and is distilled into brandy, part of collected, and 302 lbs. of sugar was added in the which is added to other poor wines to make them marketable—with such, is the American, Russian, and other markets supplied. Their best wine is reserved for the priests, and planters of the island, next best, which grows on the South side of the island, is monopolized by the English resident mer chants, and is supplied to the nobles, higher clergy and gentry of England: we take their refuse; unless by special favour of an English merchant we obtain a very small quantity of London Particular. not so strong, nor of such vinous taste as the others; I have tasted none such for twenty years. All the wine we now get from that island is grown on the north side, and is inferior, and its use is equivalent

I have never tasted Madeira wine of the first quality, but of two pipes; the first was sent by Charles Murray, Esq., British Consul at Madeira, which is the interest on \$14,458.75 at 8 per cent.; to his friend Mr. T——, of Augusta, in 1786; the and shows that an acre in vineyard is worth \$7229 last was 25 years ago, and always introduced as the 373 cts., money at interest. last glass or two at the table of Mr. Y-, a gentleman of Savannah. Neither of those wines was strong enough to suit the vitiated palates of the

In France they have less than two millions of acres of land under vines. The value of the crop, says Arthur Young, is equal to one hundred and sixty millions of dollars. Much of their wine is weak, and will not bear to be kept long: the common people use it as we do tea and coffee, and for ordinary table beverage. Of the value of these wines, I take the following from Messrs. Stroble & prices are in francs and centimes; a franc is 181 money at interest. cents American money.

Wine, red, common cargo, pr. tun, 200f. to 250 E. India, do. (of 1798,) do. 500 to 550 Superior Claret do. 1000 to 5000 White cargo do, 200 to 250 Common Claret, pr. bottle 1.20 to 2 Superior do.

Or, in our money, from \$0.22 to \$1.11 per bottle by The wine from Madeira grapes will be strong the quantity. The crop that year was stated to be enough, especially that of the 25th, and the flavour from a fourth to a third short, and the wine of sunot much inferior to that from Warrenton grapes, perior quality. It is probable that the wines of Burgundy and Champaign sold for similar prices. perhaps an over portion to the water, it requires a wines under \$2 a bottle; and that we never obtain large addition of sugar to saturate the tartar and them because of the price. I have never tasted the

I was informed by a gentleman who had been a

2 acres of vines, well cultivated, w yield 2 years in cask, will lose 7 per ce	1000 gals.
per amum,	140
Expense—1 hand to cultivate, \$20	860
	0.00
	0.00
	0.00
2 years interest at 8 per cent, per annum,	8.80
\$49	08,80
Sell 860 gals. at \$1, \$860 Freight. commission, &c. at five per cent. 43	
81	7.00
Nett profit, 31	8.20

which is the interest of \$3977.50 at 8 per cent., and shows that an acre of sandy piny land in vineyard,

If the wine sells for half the price of Madeira

vine—then			
860 gallons	of wine at \$2,	\$1	720.00
Deduct cult	ure, sugar and casks	\$430.00	
2 years inte	rest thereon,	68.80	
Freight, and	d charges to market,		
say .		21.50	
Commission	on sales 25 pr. cent,	43.00	
			563.30
	,	-	
	•	41	156 70

If 860 gallons of wine sell at Madeira \$3440.00 price, \$4 a gallon, is \$430.00 Deduct culture, &c. 2 years interest thereon, 68.80 Freight and charges to market, 21.50 Commission on sales at a 40th 86.00 606.30

Nett profit, . \$2833.70

which is the interest of \$35,421 at 8 per cent., and Martin's price current, Bordeaux, in 1800. Their shows that an acre of vineyard is worth \$17,710.50

> I recommend to my fellow eitizens to plant vineyards, and cultivate them with care; and by attending to the rules I have laid down, they will make excellent wine; which will enable them to do without the refuse wines of other countries. If a poor man will plant 120 vines, which he may cultivate without any material interference with his other labours, he may have a bottle of as good wine on his table, every day, as the greatest king or priest of Europe—and may sell enough to pay for the sugar, casks, and bottles, and pay his taxes.

> > THOMAS McCALL.

Retreat, near Dublin, Feb. 22d, 1825.

GARDEN BEANS.

Should be planted about the middle of May, half The Warrenton has less tartar than the Madeira captain in the French Police, that a vineyard near an inch deep, in rows. The rows for bush beans grape, and considerably less mucilage; if the must Bordeaux of 30 arpents (25 acres,) sold for 300,000 should be three feet apart, with the hills in a row is raised to 16 deg. it should ferment in the vat for crowns, (\$333,000,) upwards of \$13,000 an acre. I 2½ feet from each other. The rows for pole beans six hours. But I think the better method is to raise that a quarter acre in the should be to feet apart, and the hills in a row 3 feet it to 15½ deg, and let it ferment five hours in the vines of seven years old will yield 126 gallons of from each other. They should be hoed three times rat. When the vines get more age, 15 deg, or less clear wine, which is 500 gallons an acre; a proper before the flowering time; but must never be hoed [N. E. Farmer when wet with dew or rain.

ASPARAGUS.

[From the asparagus beds of Mr. Miltenberger, of Pittsburg, described at p. 301 of vol. 7-we had lately the pleasure to receive a present of a large bunch, one spear of which is represented below. They were all nearly as large as this, which represents exactly the size of the one sent to the en-



On the same day there were presented to us several cauliflowers, from the garden of J. B. Morris, Esq., that fur size and the perfection and delicacy of the flower, have never been surpassed in our market. Is it not strange that for such cauliflowers is open to Great Britain. The inhabitants differ wide- ripe ones which require more drying, spread them a ready sale at 50 cents per head, does not tempt genilemen or professed gardeners, to increase their crops of this most delicate and esteemed vegeta-

ANGOLA PEA.

South Carolina, May 20, 1826. MR. SKINNER,

A year or two since an inquiry was made in the that it has been classed among those hearsay marvels to be too often found in historians of all classes.

On reading Malte Brun, (vol. 3, p. 2, Edin. 1822,) I find it mentioned as grown in Java. Malte Brun as an order and decorum in their deportment. And also speaks of a Yam. (Dioscorca ulata,) as some-the question will perhaps be, whether, after such a times "attaining a weight of 40 or 50 lbs."

Now, if, as Charles H. said to a certain lady of succeeds in the West Indies. If it would do there, good government. I should think it could be cultivated in the Southern AMPIRCAN.

P. S. This work of Malte Brun* is an admirable one; in fact, the best geographical work, to my knowledge extant. There is in it an interesting account of the Birman empire, (Book 51,) which in dicates that, if conquered, as it is said they are, they blessings of political and civil prosperity, consis-will add as much to the commerce of Great Britain tently with the maintenance of a liberal and safe as any of her late conquests in that quarter-parti cularly in the supplies of cotton, rice, tobacco, tim-

ber and turpentine.

Malte Brun, vol. 2, pt. 2, pp. 345-6. Edinburg ed. 1822. "Though this empire extends into the torrid zone, it enjoys a temperate climate, in consequence of the elevation of its territory. The heal killed, he would enfilade the streets, and shoot thy and robust constitutions of the natives show the salubrity of the climate. The seasons are regular, certain hour. There were no more killed. Extreme cold is unknown, and the intense heat which precedes the rainy season, is of short duration. This country exhibits every variety of soil and exposure. A flat marshy delta extends along the mouths of the Irawaddy. Beyond this are the mouths of the Irawaddy. Beyond this are pleasing hills, picturesque vallies, and majestic try, is that which in England, is called Kindey Bean, mountains. The fertile soil of the southern pro- and in France, Haricot, (Phaseolus vulgaris.) The vinces yields crops of rice equal to those of the bean of English writers, is what is commonly called more irregular and mountainous to the north, the confusion has arisen from the indiscriminate use of pentine is extracted from it."

of a great portion of the world, humanity must a hill. regret that it assumes this character, by giving rise to so large a portion of misery and desolation with

in itself."

Very different circumstances now exist, and if the St. Helena (via et T.) accounts be correct, a new field

* An American edition is now publishing by Messrs. Wells & Lilly, of Boston.

under the most horrible tyranny: "The king taking the tenth of produce and imports." "The riches actually in possession of this monarch must be immense, but how heavily must the wheels of com-American Farmer, relative to the Angola Pea, of merce move, and how low, comparatively, must the which the Abbé Raynal spoke so much and so high-ly in his "History of the West Indies." I have not maxims so narrow and absurd fetter every part of maxims so narrow and absurd fetter every part of observed any reply, which has induced me to think the machine." Hence we see how great a difference between the character of Hindostan and Birmah. There is a meekness in the former loudly calling for a respect being had to their prejudices; as well government has been suppressed, the very Burmese as well as the Hindostanese, but from a different mohis court, half of what the Abbe says of the Angola tive "will not always be ready to serve with exclu-Pea be true, it is sufficient, and I should hope some sive fidelity the power that pays them most punc-of the gentlemen trading to Java will endeavour to tually and most liberally." With this kind of conprocure a few of the seed. I think the Abbe says it duct, it is to be recollected, is generally connected

In fine, perhaps such circumstances may arise as to lessen the difficulties thus contemplated by this admirable writer, (p. 859.) "Yet perhaps the most sanguine political Quixote would find it a difficult task to sketch, even in theory, a plan on which the Birman Empire could be put into possession of the line of conduct on the part of its regenerators." A strong and determined system may be established. Firmness and power can overcome any thing .-When the Duke of Abrantes went into Lisbon, the Portuguese began to assassinate his troops. He issued an order, and declared that if any soldier was

BEANS.

[From the New England Farmer.]

finest districts of Bengal. Although the surface is here the Horse Bean, (Vicia faba.) Considerable plains and vallies, especially those situated on the the term bean, applied as it is, by some good Amebanks of the great rivers, produce excellent wheat, rican writers on agriculture, to two very distinct and the different corn and leguminous crops which genera or sorts of plants. The horse-bean (vicia) are cultivated in Hindostan. Sugar canes, excellent being tap-rooted, is much used in England as a faltobacco, indigo, cotton, and the tropical fruits, are low crop; and probably might be advantageously indigenous in this favoured country. The teak grows in all parts of the country, though properly a native of the mountains. Almost every kind of require dry land that has been tilled with care, so timber found in Hindostan is produced in the south- as to destroy the weeds; and of such fertility as ern parts. Fir grows in the mountains, and tur-would produce a moderate crop of Indian corn. entine is extracted from it."

Poor sandy soils, or gravelly loam, will produce It has many other sources of wealth. As to its them; provided the beans are wet and rolled in conquest by Britain, M. Malte Brun (who wrote in plaster before planting. They can be planted in 1818,) did not then seem to contemplate it. He says: hills, or drills, the rows two and a half or three feet "In its present state this empire is a very desirable apart, according to the strength of the soil, and barrier between the British and Chinese govern-ploughed and hoed like other hoed crops. The ments; being too weak to offer serious molestation time of planting is the same as Indian corn. . Hog's to a powerful neighbour, and too inhospitable (its dung mixed with ashes, is said to be the best magovernment and manners,) to afford temptation to nure for them. The hills should be from fourteen an invading army. It is now (1818,) like the deto twenty-four inches, apart, according to the soil. serts that separate the Chinese from the Russian They must not be so thick as to preclude the sun dominions. If this is an advantage to the repose and air. Five beans will be sufficient to remain in

When about two thirds of the pods are ripe, and before the frosts, pull and spread them in rows; but they must be turned occasionally at mid-day, that the dampness of the ground may not mould those underneath. After thrashing, if there are any unly from those of Hindostan. They have groaned on a clear floor, under cover, till they are thorough-

ly dried.

White beans will yield from ten to forty bushels to the acre; twenty bushels is called a good crop. ticularly for sheep and hogs.

BUSH BEANS.

It is a great object to have beans early, and they should be planted as soon as the ground is warm; but it is useless to plant them when the ground is cold.—A principal crop should be planted early in May, and successional crops, about the middle, and also towards the end thereof. For the early kinds, select a piece of light rich ground; let the drills be made about two feet and a half asunder, and an inch and a half deep; drop the beans therein, and at the distance of 2 or 3 inches from one another, and draw the earth evenly over them. As soon as they are in full bloom, and the lower pods are beginning to set, the tops or runners should be cut off; this will greatly promote the swelling of the pods, as well as their early maturity. But with respect to small early beans, if you would have them come in as soon as possible, top them when the blossoms at the bottom of the stalks begin to open.

POLE BEANS.

For beans whose vines need support, let poles of a proper height be fixed in the ground about 2 feet apart, in rows 3 or 4 feet distant from each otheraround each pole let 4 or 5 beans be planted; the poles should have small knots left on them, or pins structed combs above, and begin a second tier beput through to support the vines. This way of low, in which the queen mother, having also deplanting gives an opportunity of keeping the soil loose scended, makes her new deposit of larva, under the around the roots and prevents the injuries arising safeguard of the whole family. Thus there are no from driving poles into the hills. Of the various more bees in the upper combs, and in the second sorts of pole-beans one planting is enough; for, if year they are clear, not only of bees, but of eggs, you gather as the beans become fit for use, they and entirely filled with honey. continue bearing all through the summer, especially the Lima bean, which delights in heat, and which such is it also in their domestic state, by their in- to preserve the families of the bees themselves? By should not be planted till the ground is quite warm. The scarlet bean (multiflorus) is well worth cultivating, both for use and ornament.

BEETS AND CARROTS.

They should be sowed in drills & of an inch deep, and 20 inches apart; if carrots are in drills but 16 as for onions.

MELONS, CUCUMBERS AND SQUASHES.

They should be planted about the middle of May. for vines to run. Afterwards pull out the weeds.

RURAL ECONOMY.

PYRAMIDAL HIVE.

Translated from the French by Col. Dinsmore, of Ala-downward. bama.

A simple and natural method to perpetuate the famiwith the art of usefully restoring, at the return of engravings.—Lætitiam, Laudem, Copiam hinc her eggs spirate coloni.—Paris, 1813.

improved by a third panier or box.

nagement of these insects; but, as yet, no one has the first box they may descend into the second, to con- than a character in which is no guile: Guile insi-

without destroying them, in whole or in part,

To this day, in fact, no one has found out the means of annually plundering these precious insects, without the predetermination of a total or partial destruction; such are the expedients of the smoke of sulphur, of wet burnt rags and driving, all and taking off the upper one in autumn. of which destroy at least three fourths and often the whole, not only of the living bees, but their young. thodically, the directions of M. de La Bourdonnaye, in the management of his hive, I discovered the the upper box as soon as the first is removed. whole secret of nature, by which I can every year queen mother, her family, and all her eggs, or larobtain a complete harvest of the products of bees, without causing them the least prejudice.

When the bee in its wild state selects a retreat, in the hollow of a tree, or cleft of a rock, which affords room, it always fixes on the highest part of that hollow, or cleft, to build and suspend its combs. the same year in which it is taken, for the bees com-These edifices fastened and suspended the one to monly consume, in autumn and winter, the honey the other, always executed from the top downward, of the preceding year. and never from the bottom upward, are continued

first constructions.

In thus descending in their labours, constantly, and invariably, the bees abandon their first con-

Such is the habit of bees in their wild state, and descending from the upper to the lower combs; results. precisely in this manner should we learn to plunder them without injuring them, without smoking, cas

tration or driving, &c.

If we intend to rob bees which are lodged in a hollow tree, or a cleft of rock, it can be done withwell. The ground prepared and the seed raked in out difficulty, and in perfect safety, by taking the our peasants coming to market with loaves of refined them, are engaged in continuing their labours see them coming with butter, cheese, milk and fruits? below. The bees do not even perceive the robbery, nor do they suffer by it, because the upper combs with the commerce of the sugar of cane, disdain the use Cucumbers for pickling may be planted the middle their store of honey, have become a superfluity, on of sugar of honey as too common, more than nine of June. The hills may be 3 or 4 feet apart. The account of the new provisions which they continue ground should be as well prepared as for onions; to accumulate in the stores which their instinct inand they must be hoed three times before the time clines them to build, successively descending with- formerly, the facility of procuring the sugar of the out interruption.

In the same manner as wild bees work, in hollow trees, or rocks, always downward, so do the domes tic bees in the hives or cases which inclose them, always commencing their labours at the top of the bitants will use the latter in preference, because it hive, to which they suspend their combs and work will produce the same results at a price infinitely

Here is the whole secret of nature unveiled for the robbery of bees without injuring them. It is lies of the bees and to obtain from each hive, every easy to employ the art (which we have already noautumn, a full panier of wax and honey, without ticed) of robbing wild bees, to the trick of using siderable branch of the revenues of the state. destroying bee, or larva, besides numerous swarms; three stories, or three cases, placed each succeeding three stories, or three cases, placed each succeeding The grand superintendant of bees in France (Le spring, one under the other, to form the pyramidal Grand Abeiller de la France,) that is, the minister spring, the hives where the bees have died in the hive, of which the highest story or upper case, set over the police and general receipt of the conautumn, winter, or spring, by hatching the eggs without young bees or larva, will be every succeedremaining in the cells; the art of converting honey ing year at the disposal of the proprietor; because my, was always one of the most important personinto pure white sugar, hydromel syrups, &c. &c. a the bees have abandoned the upper story, continuages of the government. work useful to all country farmers—by P. Duing their industry and labours by descending into couedic, president of the canton of Maure, detailed with laways be found fixed with her living family and laways be found fixed with her living family and

This secret, snatched as it were from nature, by The pyramidal hive or the hive La Bourdonnaye, the first exertions of M. de La Bourdonnaye, whose steps I have only fellowed to complete his plan, is Sec. 1st. Of the invention of the pyramidal hive, within the reach of every class of cultivators. From the earliest antiquity, the amateurs of bee is only necessary each spring, to put a box or case raising have formed different systems for the ma-

They are valuable for the table and for stock, par- found the mode of plundering their annual products, tinue their labours. In the second spring you will put a third case or box under the before mentioned two, and in the autumn, take off the upper one. You will then have a perpetual routine of putting a new case each spring, under the two which remained, during the autumn and winter, on the bench,

> This method, drawn from nature, is infallible; the upper is always filled with wax and honey, with-Finally, after a careful observation on the instinct out young bees, or eggs, and without filth of any and architecture of these insects, and following me-kind. The whole family has gone down from the first box or case into the second, which will become va, are in the second box or story, and, if the season be very favourable, it often happens that they begin to work in the lowest box.

> > The upper case, which is taken off, generally contains pure virgin honey, formed in the spring of

Every cultivator can easily convert this honey into downward, as long as the bee finds room below his a sugar, equal to white Havana sugar, and it is as easily refined as the sugar made of cane, and will become a new article of commerce, with which the markets of our towns will soon be supplied.

The pyramidal hive is already known and in use. in divers parts of the empire, but principally in the departments of Bretagne, of Seine, Seine and Marne, Seine and Oise, of Oise, Yonne, Manche, Calvados, Sarte, Nord, &e. &c. 'This method will soon become general, because it is simple and easy. Then why should we not use the means of converting this honey into sugar, which requires no more art than stinct, they build from the top downward, always the same attention we should attain the success and

Imitation and habit is every thing. If this art, which is so easy of increasing the products of our bees, of preserving their families, and converting the honey into sugar, was introduced into our raral communes, why should we not, in a short time, see upper combs, while the swarm which has abandon-ed, and sacks of unrefined sugar of lioney, as we now

> tenths of the inhabitants of the empire would pre-fer its use. What is hetter, supposing we had, as cane, the prudent economist will distinguish the enormous difference in price between the foreign sugar and our indigenous sugar. The hospitals, the country farmers, and the second class of city inhamore accessible.

> Again-This was the sugar of our ancestors before the discovery of America; and under our first dynasties, the product of bees formed the most con-

> siderable products of this rich part of rural econo-

LADIES' DEPARTMENT.

HINTS FOR MOTHERS,

For the Improvement of Early Education, and Nursery Discipline.

(Continued from page 79.) TRUTH AND SINCERITY.

Nothing, perhaps, is more beautiful, or more rare,

notwithstanding, far from sincere in manner or con- in their presence. versation. The mode in which they speak of others, when absent, is wholly inconsistent with their professions, to them, when present. They will relate a fact, not falsely, but leaning to that side which tells best for themselves; they represent their own actions in the fairest colours; they have an excuse the truth, but taught how to do it. To this end, it cover ready for themselves, and, too often, at the expense of others. Such conduct, if not coming under the character of direct falsehood, is certainly a species of deceit, to be severely condemned, and strictly guarded against, not only in ourselves, but in our children: for we shall find them early prone cision are commonly the result not only of good to art, and quick in imbibing it from others. It is principle but of intellectual cultivation. Dr. John-not enough, therefore, to speak the truth, our whole son observes, "Nothing but experience can evince of our tenderness towards him, and willingness to behaviour to them should be sincere, upright, fair, the frequency of false information; -some men re- forgive, if he freely confess his fault, and show himand without artifice; and it is experience alone that can prove the excellent effects that will result from of confused memories and habitual inaccuracy assuch a course of conduct. Let all who are engaged in the care of children consider it a duty of primatalk on without thought or care. Accustom your less important points; and, for the sake of this leadry, of essential importance, never to deceive them, children, therefore, to a strict attention to truth, ing object, to pass over many smaller offences, never to employ cunning to gain their ends, or to even in the most minute particulars; if a thing hap. I cannot close the subject before us with tion be asked them, which they are unwilling or that there is so much falsehood in the world." unable to answer, let them freely confess it, and beware of assuming power or knowledge which they do not possess; for all artifice is not only sinful, but is generally actected, even by children; and we shall experience the truth of the old proverb, "a cunning trick helps but once, and hinders ever after." No one who is not experimentally acquainted with children, would conceive how clearly they distinguish between truth and artifice; or how readily they adopt those equivocal expedients in their own behalf, which, they perceive, are practised against

Great caution is required in making promises, and in threatening punishment; but we must be rigid in the performance of the one, and in the infliction of the other. If, for example, we assure a child unconditionally, that, after his lessons, he shall have a top or a ball, no subsequent ill behaviour on his part should induce us to deprive him of it .-Naughty or good, the top must be his; and, it it be necessary to punish him, we must do it in some other way than by breach of engagement. For our word, once passed, must not be broken.

We should labour to excite in children a detestation of all that is mean, cunning, or false; to inspire them with a spirit of openness, honour, and perfect honesty; making them feel how noble it is, not merely to speak the truth, but to speak the simthemselves; but this we cannot effect, unless our example uniformly concur with our instructions. We should teach them not only to confess their faults, but to confess them freely, and entirely, without prefacing them by excuses, or endeavouring to lessen their own offence, by laying blame upon another. When referring to others their mutual complaints and disputes, they should be warned to relate the case honourably and fairly; to state both sides of the question—to be willing to accuse themselves as well as their companions. In these points even conping of seeking and dispensing amusement, by hearing and repeating the affairs of others, is one great source of misrepresentation, and not unfrequently even of direct falsehood. The dawnings of such a habit are to be checked; the meanness of tale-bearing and detraction must be strongly impressed upon 250.

spare present trouble. Let them not, for instance, pened at one window, and they, when relating it, warning against a severe, repulsive, disheartening, to prevent a fit of crying, excite expectation of a say that it happened at another, do not let it pass, or satirical system, in the management of children. pleasure which they are not certain can be procured; but instantly check them; you do not know where Nothing is so likely to produce in them, especially or assure a child that the medicine he must take is deviation from truth will end. It is more from care- in those of timid dispositions, reserve, pusillanimity, nice, when they know to the contrary. If a ques- lessness about truth than from intentional lying, and duplicity of character. On the other hand,

> On no account whatever let any thing be said or done in the nursery that Mamma is not to be told.

In case of any unpleasant occurrence, it is the duty of a nurse to take the carliest opportunity of informing her mistress; and to do this, when she can with propriety, in the presence of the children. She is ever to enforce the same habit among them, encouraging them, if they have met with an accident, or committed a fault, at once, (for in these cases delays are dangerous,) to go to their mother, and freely to confess it to her.

It is desirable, as far as possible, to manifest confidence in the honour and veracity of children; for we should wish deceit and falsehood to be considered among them as offences of which we do not even suppose them capable: to accuse a child falsely, breaks his spirit, and lowers his sense of honour. If we have, at any time, reason to suspect a child of telling a falsehood, or of concealing the truth, great caution is necessary in betraying that suspicion. We should endeavour to ascertain the fact by our own observation, or the evidence of others, rather than by the common expedient of questioning the child himself, or strongly urging him to confession; for, in so doing, we shall often lead him, if he be guilty, to repeat the falsehood; or, if innocent and timid, to plead guilty to a fault which he has not committed. Besides, no small care is necessary ple unaltered truth, whether it tell for or against that we do not bring children into temptation, or put too much to the proof their still weak and unformed principles. There are many suspicious formed principles. cases, the truth of which being buried in the breast of a child, cannot be discovered; and these it is generally wiser to leave unnoticed; at the same time, the more vigilantly observing the offender, and treating him with the greater strictness upon those occasions in which the truth can be ascertained by positive evidence. For example; were a child to assure me that he had so many times read over his lesson to himself, and I had reason to doubt the fact, I would scientious children, who dread a falsehood, are ex- let it pass in silence, dreading the effects of ill-plactremely prone to equivocate, and to keep back, at led suspicion, and knowing that, if he were guilty least, part of the truth. The habit of idle gossip- and should choose to deny it. I had no means by and should choose to deny it, I had no means by which to convict him. On the other hand, if a child

nuates itself into our hearts and conduct to a degree of which we are little aware. Many who would be shocked at an actual breach of truth, are, to speak of others in their absence as we would do should her suspicions be confirmed, the child is convicted, and the opportunity is at once afforded for

I cannot close the subject before us without a good discipline will greatly promote habits of integrity and openness. But it is to be remembered, that the best discipline is always combined with free-

dom, mildness, sympathy, and affection.
(To be continued.)

SPORTING OLIO.



NEW-YORK UNION COURSE RACES.

First Day.

Tuesday, 23d.—The regular races for the purses offered by the association commenced, and the 4 mile heats for \$500 were contended for by Count Piper, (a favourite among northern sportsmen.) by Marshal Duroc, and Jennette, full sister to Sir Charles, who encountered Eclipse over the Washington course. It was a beautiful races-well contested—they were repeatedly collared and several times passed each other, and the heats were won by Count Piper by about a length and half each heat.

Time of the first heat 7 m. 56 seconds.

Second heat 8 m. 16 seconds.

The course was considered by the Judges, as several seconds worse than at any of the former runnings.

Second Day.

The horses entered, were Jackson's Eclipse Colt, Colden's Rattler, Abbot's Half-Moon, and Laird's American Boy.—3 mile heats. The race was won with case by American Boy, in two heats-1st heat, 6 minutes—the 2d heat in 6 minutes 30 seconds .-Rattler and Half Moon distanced in the second heat. American Boy is half brother to Count Piper, that run the 4 mile heats yesterday, and won. We understand Jennette, with whom the Count contended, has been purchased by a gentleman in this city.

Third Day.

Yesterday was the last day of the spring races at tell a nurse that his mother has desired she should give him fruit, or a cake, and she suspect he is depurse, \$200, two mile heats, viz:—Mr. Jackson's *See Boswell's Life of Johnson, 8vo. vol. iii. pp. 249, mare Matilda, and Mr. Laird's horse Flagellator. Matilda was distanced on the first heat. Flagellaseconds.

At the auction sale on Tuesday last at the Union course at Jamaica, of the late gen. Coles' stud, Sportmistress, the dam of the Arabian that won the match on Monday, was sold for 1200 dollars. The Arabian colt out of Dove, which is to run a match a fortnight hence, brought seven hundred dollars. Sportmistress is the dam of Mr. Stevens' fine horse Trouble, by Duroc. Sportsman, we understand, having been matched after his race, was not sold.

[N. Y. Pa.

DESCRIPTION OF A GOOD HORSE.

pages, the date of its publication being torn out, I send you an extract, descriptive of a good horse. The title of the book is, "Directions for hunting and killing all manner of chase used in England, with the terms of art belonging thereunto, also, a short account of some peculiar beasts not usually hunted in England, by Nichotas Cox."

I am, &c.

T. E. W.

"His head ought to be lean, large, and long; his chaul thin, and open; his ears small, and pricked, or if they be somewhat long, provided they stand upright like those of a fox, it is usually a sign of mettle and toughness. His forehead long and broad, may prove useful to some one of your numerous not flat, and as we term it marefaced, but rising in subscribers, if you think it deserving a place in the the midst like that of a hare, the feather being columns of the American Farmer. To every ten placed above the top of his eye, the contrary being thought by some to betoken blindness. His eyes full, large, and bright. His nestrils wide, and red within, for an open nostril betokens a good wind; his and occasionally shaking it in a few months it will mouth large, deep in the wykes and hairy: his be fit for use. Yours, &c. mouth large, deep in the wykes and hairy; his thropple, weasand, or windpipe big, loose and straight, when he is reined in by the bridle; for if, when he bridles, it bends in like a bow (which is called cock throppled) it very much hinders the passage of his wind. His head must be set en to spouts, iron gates or palisadoes, at such times; mehis neck, that there must be a space felt between his tals of all kinds having so strong an attraction for neck and his chaul; for to be bull-necked is un-lightning, as frequently to draw it out of the course comely to sight, and prejudicial to the horse's wind. which it would otherwise have taken. His crest should be firm, thin and well risen; his neck long and straight, yet not loose and pliant, the window, door, or walls, during a thunder storm. which the Northern men term withy cragged; his The nearer a person is to the middle of a room, the breast strong and broad, his chest deep, his chine better. short, his body large, and close shut up to the huckle bone; his ribs round like a barrel, his belly being hid ning, is the explosion of powder-magazines. These within them; his fillets large, his buttocks rather may, in a great degree, be secured from danger by oval than broad, being well let down to the gascoins; insulation, or by lining the bulk, heads and floorhis cambrels upright, and not bending, which is called ings, with materials of a non-conducting nature, the by some sickle houghed, though some hold it a expense of which would not be great. sign of toughness and speed. His legs clean, flat and straight: his joints short, well knit, and upright, especially betwixt the pasterns, and the hoofs, having but little hair on his fetlocks: his hoofs black, strong and hollow, and rather long and narrow than big and flat, and lastly his mane and tail should be long and thin, rather than thick, which is counted by some a mark of dullness."-On the subject of colour he says- "I dare pass my word, that wherever you shall meet with an horse that hath no white about him, especially in his forehead, though he be otherwise of the best reputed colours, as bay, black, sorrel, &c. that horse hath a dogged and sullen disposition, especially if he have a small sunk eye, and a narrow face, with a nose bending like a hawksbill."

[To whomsoever we are indebted for the above extract—the editor will thank him for the loan of "I've a villaneus cold—and my head—how it aches!

BOAT RACE.

According to public notice the race between the boat Gen. Jackson, belonging to the ship Mentor, of Philadelphia, and the Charleston boat Razor, took place on Friday afternoon. A few minutes after five, the boats started from opposite the south

tor took the purse in two heats. Time, first heat, point of the battery, when the Razer shot ahead at "I've money enough, and can live at my ease, minutes 58 seconds—second heat. 3 minutes 54 the first moment of starting, and pursuing the advantage she had gained, passed the Judge's boat off I'll sleep every day till the next if I please, Gadsden's wharf, better than three minutes before the Gen. Jackson, and leaving her at a distance of between 2 and 300 yards in the rear. On the return the Philadelphia boat did not reach the starting point until 5 and a half minutes after the Razor.

The distance passed over is better than 3 miles; which the Charleston boat passed in about 26 minutes, her oarsmen giving 42 strokes to a minute, whilst the Gen. Jackson's gave but from 26 to 27.

The success of the Charleston boat, (a clinker built skiff) was prenounced as seen as she was seen-her make giving much advantage over the Gen. Jackson, which is a ship's quarter boat. The Sir-From an apparently very old work of 500 interest of the race was therefore diminished on account of the ease with which the former obtained the victory. [Charleston paper.

RECIPES.

TO MAKE VINEGAR.

J. S. SKINNER, May 18, 1826.

Sir—As the proper season for making Vinegar is now at hand, I send you a receipt which I know from experience to be a cheap and very easy way of making it for those who have no orchards, and perbaps gallons of rain water add one gallon of molasses, and one of brandy, mix them well together, and place the cask in a garret or some warm dry place,

ROBERT STEPTOE.

TO ESCAPE THE EFFECTS OF LIGHTNING.

When in a house, avoid sitting or standing near

The greatest evil to be apprehended from light-

POETRY.

ON INDOLENCE.

The following lines are requested to be inserted in the American Farmer, as being worthy of an honourable place in some one of its columns.

From the New England Farmer.

THE SLEEP OF THE SLUGGARD.

By Thomas G. Fessenden.

O list to an indolent lump of live lumber, Whom slothfulness binds with invisible bands.

"A little more sleep, and a little more slumber, A little more folding together the hands."

The north wind is blowing, and stings like a hornet, And as to this rising as soon as day breaks,

Tis a vile vulgar habit, and gentlefolks scorn it.

"I'm none of those wretches who labour for bread, Through foul or fair weather, whatever may hap mean to enjoy both my table and bed,

And so I'll turn over and take t'other nap.

And so I'll turn ever and take t'other nap."

His heavy hydropsical carcase he turns. And sinks in uneasy intemperate rest. Till dim in his besom the lamp of life burns, While snorting with night-mare and plethera prest.

What horrible visions his bed hover o'er. The phantoms of spleen and the blue devils dirc! Like Gorgons and Hydras of fabulous lere, And red dragons vomiting rivers of fire!

ow he clings to the side of a prominent steep, O'er a rough roaring cataract hangs by a hair, Now suddenly sinks in a bottomless deep And starts half awake, with a shriek of despair.

Thus he rolls like a perpoise, o'er billows of down; Grows big as a mammoth and fat as a seal: Lives a plague to his friends or a charge to the town, And dies to make worms a most plentiful meal.

Ye sons of Columbia, shun the syren of sloth: For if you submit to her leaden control. You'll find, when too late, like a venomous moth, She eats up the substance, and poisons the soul.

the wizard of indolence takes you in hand, Quick break from his grasp, or you're quickly un-

Your limbs will be lithe as a wickapy* wand, And your sinews be softened, like wax in the sun

PARMDR.

BALTIMORE, FRIDAY, JUNE 2, 1826.

THE CATTLE SHOW .- We must, from necessity, defer all notice of the Cattle Show until the next week.

&F-Ice Houses .- Quere: Can any body speak, from experience, of the practicability of constructing a house above the surface, or nearly so, for the preservation of ice, in a situation so low, that on digging to the depth of three or four feet, the water is raised? For persons so circumstanced we wish the information, as to the most economical method of constructing such an house. Opinions will be acceptable, but more so as they may be founded on facts and experience.

DIVIDENDS ON PUBLICK STOCKS.—A respected correspondent suggests, that it would be useful to publish in the American Farmer, regularly, the dividends which may be declared on the different kinds of publick stock; on the ground that a great number of farmers own stock, some in one institution, and some in another; and he intimates that these institutions might be got to select the American Farmer as one of their mediums of publication. On the above, we have only to remark-first, that we are glad to hear that any considerable portion of our friends own a little of the "ready." few hundred dellars of dividend come in very well to buy plaster, groceries, &c., let the farm be never so productive. We are, however, of opinion, that the country banks have been ruinous to the agricultural interest. We thought so at the time the Farmers' Bank of Maryland was established, so far as we were then old enough to think upon the subject. But to return: it is no object with us to insert advertisements for pay. It is sufficient for us that an advertisement conveys useful or desirable information to a considerable portion of our read-

^{*} Wickapy is the popular came for a shrub which is remarkably flexible.

wish not to interfere in any department with news cipated. In the Liverpool Courier of the 19th of papers. Finally, we will publish with pleasure all notices of dividends of stock, together with the prices at the time, when furnished by any institution or individual, and supposing that these notices will in no case exceed a few lines.

CIRCULAR TO POST MASTERS.

Post Office Department, 27th May, 1826.

Sir,-Complaints have been lately made of the delay, and sometimes loss of newspapers sent by mail. These may be attributable, in some cases, to the careless manner in which papers are prepared for the mail; but, in others, they are believed to arise from the inattention or design of post mascontractors on horse routes, by retaining a part of 1s. 10½d., making an average of 1s. 7d. per 1b.; that the packets when the mail is so large that the Maranhams ruled betwixt 1s. 9d. and 2s. 3d.; being usual number of bags cannot contain it. Others, an average of 2s. during that year of extreme dis it is said, being more culpable, retain newspapers tress. From the above table it appears, that the to read them. A moment's reflection must con-lowest point of depression to which cotton ever fell by his oath of office, and should be held responsible for such gross violation of duty

as well as post masters, are requested to report to list of the present month, may be estimated in the Department all irregularities in the reception of round numbers at 390,000 bags, which is 84,000 bags, which is 84,00 papers forwarded in the mail, and an assurance is bags more than that of 1811, and is, at presen given, that where the irregularity shall be proved prices, worth but little more than three million to have been produced by the negligence or design sterling. of any contractor, post master, or clerk, the most effectual steps shall be taken to prevent its recur-

It is often of as much importance to the public, and always as essential to the reputation of the mail, that newspapers should be as speedily and safely transmitted, as letters; and an individual who is inattentive to the former, is unworthy of being trusted with the latter. He is a stranger to that high incentive to duty, which arises from an ardent desire to elevate the character of the Department, by giving the utmost efficiency to its operations.

In the Post Office law, it is provided, that "if any person employed in any department of the post office, shall improperly detain, delay, embezzle, or destroy, any newspaper, or shall permit any other person to do the like, or shall open, or permit any other person to open, any mail or packet of newspapers, or shall embezzle or destroy the same, not being directed to such person, or not being authorized to receive or open the same, such offender shall, on conviction thereof, pay a sam not exceedpapers, or shall embezzle or destroy the same, not ing twenty dollars for every such offence."

At all offices where newspapers are mailed, post masters should see that they are properly put up and directed. None should be forwarded in the mail, except such as are secured by a substantial envelope, and have a legible superscription.

If this injunction were strictly observed, the number of failures would be greatly reduced.

Under no circumstances, should any part of the mail be left on a route short of its destination. This may always be avoided, by post masters at the important offices, keeping one or more extra mail bags.

I am, very respectfully, Your olied't serv't.

JOHN McLEAN.

@-Printers will confer a favour on the Department, and probably promote their own interest, by publishing this circular.

COMMERCIAL RECORD.

By the arrivals on Saturday afternoon and yester-

ers, to induce us to insert it gratis-and again we journals, but their contents have been mostly anti-April, we find the following comparison of the prices of cotton:

> Present prices, compared with the lowest point ever before known.

	12th April, 1826.			7th	7th Sept., 1822.				
	s.	d. s.	d.	8.	d. s.	d.			
Sea Island,	1	2 a 2	0	0	10½ a I	10			
Upland,	0	54 a 0	7	0	5 a 0	81			
Orleans,	0	64 a 0	9	0	6 a 0	103			
Pernam.,	0	93 a 0	103	0	9‡a0	10			
Maranham,	0	9 a 0	91	0	81 a 0	91			
Surat,	0	41 a 0	6	0	6 a 0	74			

By a circular which we have now before us, i appears, that the import of cotton into the country ters. It is feared that some of them are so forget- in 1810 to January 1, 1811, was 304,800 bags, and ful of their duty, as to consult the convenience of that the price of Boweds ruled between 1s. 31d. and vince every post master, guilty of either of these before the present year, was in September, 1822 charges, that he trifles with the obligation imposed and the present year exhibits the lowest price to which cotton has ever fallen in the commercial history of the country. The stock of cotton in the Publishers of newspapers and their subscribers, ports of London, Liverpool, and Glasgow, on the [N. Y. paper.

SINCLAIR & MOORE

Have now for sale, at their Agricultural Repository

Pratt street, Baltimore, Harvest tools, viz.

200 Grain Cradles, with the best English or America cythes, of the most approved patterns, and are mad f different kinds, suitable to the different sections of the country-and as we have been improving on ther for three years, we believe they will be generally ap proved of.

50 dozen Grass Sneads, a part of which have the Scythes hung to them ready for work. Also, Scythe Blades for grain or grass.

50 dozen of the Spring Steel Hay and Manure Forks

so generally used in the Eastern States.

200 Cultivators, for the cultivation of corn, tobacco and garden vegetables, answering all the purposes of the plough at one-third of the expense, if judiciously used-and also suits well for seeding wheat, if the gras has been kept down.

In a few weeks we expect to have an assortment of Turnip Seed, raised from turnips carefully selected from such kinds as we most approve of for table use: suc as the White Flat, White Stone, Yellow Scotch, an Early Dutch; and have lately received from Lendon some of the Red-tepped Swedish, or Ruta Baga Turni seed, which we have pruved to vegetate well; togethe with a very extensive assortment of Garden Seeds and Implements of Husbandry

Buck Wheat and Millet Seed, would be purchased. June 1, 1826.

CONTENTS OF THIS NUMBER.

Proceedings of Quarterly Meeting of Pennsylvani Agricultural Society—Sheep Husbandry, origin of Mi Dickinson's flock of Saxony-Merino Sheep—Hessia Fly and Weevit Fly, to prevent their devastations-Prospect of Crops—Silk Worm—Essay on the Cultur of the Grape Vine and making Wine, by Thomas M'Cal concluded-Large Asparagus, with engraving-Angol Pea-Bush and Garden Beans, Beets, Carrets, and Me lons-Improved Pyramidal Hive for saving Honey, from the French-Units for Mothers for the Improvement Early Education, on Truth and Sincerity—New York I Union Course Races—Description of a good Horse— By the arrivals on Saturday afternoon and yester. Boat Race in Charleston—Recipes—Poetry, on Indo-day, we have received a great variety of foreign lence—Editorial—Circular of Post Master General.

PRICES CURRENT.

П	TRICES () U E	46.1	:IA	T.				
s	LOWIGE DG		Wi	10L	ESA	LE	RET	LAI	L.
	ARTICLES.	per.		om		0	from	t	
	BEEF, Baltimore Prime,	bbl.	7	50		3			_
	BACON, and Hams,	lb.		5		8	9		12
	BEES-WAX, Am. yellow	_		30		Ĭ	Ŭ		50
	COFFEE, Java,			17	ĺ		22		25
ď	Havana,			17					20
١.	COTTON, Louisiana, &c.			13		14			
12	Georgia Upland,			10	1	27			
		_		30					
1210	COTTON YARN, No. 10, An advance of 1 cent	_							
ì	each number to No. 18.	_							
10	CANDLES, Mould,	 		13		14	16		18
1	Dipt,			12					14
it	CHEESE,			8		10	12		15
y	FEATHERS, Live,			30		33	37		
d	FtSH, Herrings, Sus.	bbl.	2	25					
d	Shad, trimmed,	-	7	00					
t	FLAXSEED, Rough,	oush		75		- {	873		
	FLOUR, Superfine, city,	bbl.	4	12			5 00	6	00
9	Fine,	_	3	75	4	50			
;-	Susquehanna, superfi.		4				4 25		
е	FLAX	lb.		9		11			
١,		25 lb	5	00			5 50		
;	GRAIN, ladian Corn, .	bush		67		70			
ó	Wheat, Family Flour,			85		90	95		
-	do. Lawler,			50		75			
e	do. Red,			83		87		53	les
	Rye,			68					
e	Barley,			80					
n	Clover Seed, Red	busb	3 8	7월	4	25	4 75		
0	Ruta Baga Seed,	lb.	1						
ıt		bush	1	75			2 00		
S	Mangel Wurtzel Seed,		1	25			1 50		
	Timothy Seed,		2	25	ļ		3 00		
-	Oats,	_		55		56			
	Beans, White,)	70			1 87		
.	HEMP, Russia, clean, .	ton	218	5	220)			
7,	Do. Country	_	120)	130)			
n	HOPS	lb.		15			25		
n	HOGS' LARD,			7		8	12		
e	LEAD, Pig	lb.		$6\frac{1}{2}$					
of m	Bar	<u> </u>		8		87			
)-	LEATHER, Soal, best,			23	}	24	62		
,-	MOLASSES, sugar-house	gal.	}	45			621		75
e	Havana, 1st qual	-	5	27층	j	28	371		
31	NAILS, 6a20d	lb.		63	1		9		
	NAVAL STORES, Tar,	bhl.	1	25	1	38			
3,	Pitch,	—	2	25	}				
٠,	Turpentine, Soft,	_	1	50	}				
Э,	OIL, Whale, common, .	gal.		31		33	40		
of	Spermaceti, winter .	-		80			88		
y	PORK, Battimore Mess,	bbl	11	00		00			
j SS	do. Prime,	_	8	50	9	00			
20	PLASTER, cargo price,	ton.	4	50					
n	ground,	bbl.	1	50					
	RICE, fresh,	lb.		3			5		6
y er	SOAP, Baltimore White,	lh.		12		14	18		20
•	Brown and yellow,	_		51		75	S		12
of	WIHSKEY, 1st proof, .	gal.		29		30	38		50
n	PEACH BRANDY, 4th pr	-		75	ı	00	1 25		
h	APPLE BRANDY, 1st pr	~		36			50		
ď	SUGARS, Havana White,	e.lh.		0.0	13	50.	15	16	
1,	do. Brown,	-	9	00	9	50	20		
p	Louisiana,	-	7	75	9	50		11	
r	Loaf,	1b.		19		22	20		23
à	SPICES, Cloves,			75			1 00		
	Ginger, Ground,			7			12		
	Pcpper,	,		17			25		
	SALT, St. Ubes,	bush		43		45	P1 4		
=	Liverpoot Blown			45			75		
	SHOT, Balt. all sizes, .	ewt.		00	-	0.0	0 50		
a	WINES, Madeira, L. P.	gal.	2	50	3	00	3 50	4	
	do. Sicily,	-	1	20			2 00		
r.	Lisbon,	,-	1	15			1 50		75
n	Claret,	doz.			S	0.5	5 00	9	00
-	Port, first quality,	gal.	t	65	1	85	2 50		
e	WOOL, Merino, full bl'd	1b.		35		40	i unv	rasl	red.
١,	do. crossed,	-		25		30	but		
a	Common, Country, .	_		20		23	Lagra		
)- n	Skinners' or Pulled, .	1 —	1	25	1	39) "		
n of			_	_					=
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inted every Friday, at \$5 per annum, for JOHN S. SKINNER, Editor, by John D. Tov, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

ANNUAL CATTLE SHOW,

For the exhibition and sale of Improved Domestic of resignation: Animals, Agricultural Machinery and Implements, and Household Manufactures—held by the Maryland Agricultural Society.

THE late Cattle Show and Exhibition of Domestic Family Manufactures, was held agreeably to appointment, at the Maryland Tavern, on Thursday

and Friday last.

Truth compels us to say, that with the exception of Horses and Sheep, it was a meagre exhibition. It were useless now to reflect upon the causes of its inferiority, in comparison with previous shows, unless it were done with the view, and in the hope, that by so doing, we might save ourselves the mortification of witnessing such another. With that design and that feeling, we shall, if we can get a leisure moment, take the liberty of making some remarks in the next American Farmer, on the part acted by those to whom the management of the Society's concerns have been committed, with a review of the Reports of the Committees, and the cause of the falling off in the Exhibitions, and the prospects of the society.

It was the more mortifying not to see all the pens well filled, as the society was favoured with the company of several citizens from Washington, holding high trusts, to which they have been elevated by their talents and public spirit. The presence of the chief magistrate would have been gratifying to the society; and but for inability to attend, would have been yielded by him on invita-tion from the Board of Trustees, as appears by

the following correspondence:]

SIR, Baltimore Post Office, May 26, 1826.

The Board of Trustees of the Maryland Agricultural Society, have instructed me to invite you to land. honour with your attendance, their next Cattle Show and Exhibition of domestic family manufac-Friday next.

I tind particular pleasure in being the medium of be highly gratifying to all the members of the Society, and would be regarded as auspicious to the general cause of agriculture by its friends in every

quarter.

With great respect, sir, I have the honour to remain. Your obed t serv't, J. S. SKINNER, Cor. Sec'ru.

J. S. SKINNER, Esq.,

Corresponding Secretary to the Maryland) Agricultural Society, Bultimore.

Washington, May 31, 1826.

I pray you to have the goodness to present to the Trustees of the Maryland Agricultural Society, the assurance of my sensibility to their obliging invitation to attend at the Cattle Show and Exhibition of domestic manufactures, and my regret at being un able to avail myself of it. To which be pleased to add my congratulations to the Society upon the success which has attended their exertions to promote the agricultural interest of the country, and my best wishes for its continuance.

Accept my respectful salutations.

JOHN QUINCY ADAMS.

Mason, of Georgetown, was requested to preside parting from you by the consideration that there No. 12. - VOL. 8.

those by whom they might be won.

Chairman read to the Society the following letter Agricultural Society.

To the Members of the Maryland Agricultural Society:

When I accepted the Presidency of your institution, which was so honourably conferred upon me constitution admonishes me, that the ardor which I association, cannot be exerted with safety to myself or utility to you; and I beg you to consider my resignation of the office into more efficient hands, as an evidence of the sincerity of my anxiety for your of Gen. Ridgely, announcing his resignation of the

To those who are acquainted with my habits and ed, by every reflection flowing from the successful efforts of husbandry; and I am thoroughly persuaded that its prosperity can in no way be more effectually cherished than by well conducted societies. The experience of other countries bears ample testimony to the truth of this assertion: and may I not say that it is in some measure confirmed by our own experience? Has not a spirit of inquiry gone forth among our farmers; are not our systems of cultivation generally improving; is not more attention paid to our stock; have we not better constructed implements of husbandry? Surely we may be permitted to claim some of the credit of these improvements in the agriculture of our country.

From early youth I have attended to its practical and physical results; but experience, as I have advanced in life, has demonstrated the political influence, by which it holds dominion in this favoured land. There is an obvious and a moral fitness in the resemblance between agriculturists and republicans: honesty and independence are alike the intures, to be held near this city on Thursday and dications of both; and although commerce and manufactures are inestimable resources, yet among the firm and sturdy cultivators of the earth, there have conveying their wishes on this occasion; and take ever been found genuine and faithful patriots for leave to add the assurance that your presence would the nation. Look at every people from whom good tillage has languished and disappeared; behold the extent of their desolation; some of them have been no less conspicuously blessed in the fecundity and luxuriance of their natural productions, than renowned for chivalry in war and splendor in letters. ted States, that instead of mines of gold, quarries of gypsum have been discovered, and its influence adapted to their soil; they have encouraged indus try and economy, the legitimate progenitors of na tional wealth and individual prosperity.

Gentlemen, as your President, I must beg you to

accept an affectionate and respectful adieu; but as a private member, it will always afford me great tholow taken care to have complied with the repleasure to conduce in any way my health will allow quirements of the society, and obtained a confirmato the welfare and interests of the society.

the general assembly of farmers. I consider the although this committee may regret that Mr. Barannual communion of your members as one of the tholow has omitted to comply with this very reabest observances of the institution. It is indeed an sonable rule of the society, they feel that they have edifying spectacle to behold so much union in so no right even to recommend a suspension of the rule good a cause: the momentum of the community tion with the researches of the man of science; It is therefore not in the power of the committee to practical good sense cordially combined with all adjudge the second premium for farms. General Charles Ridgely, of Hampton, the Presi-dent of the Society, being absent, General John

for the occasion, and to present the premiums to are so many gentlemen among you whose eminent ose by whom they might be won.

After dinner, on the first day of the Show, the dignified station of President of the Maryland

I have the honour to be, Respectfully,

Your obedient servant, C. RIDGELY, of Hampton.

Baltimore, 1st June, 1826.

On motion by Mr. Caton, the preceding letter of I was animated by the hope that returning health resignation from the President of the Society, was would enable me beneficially to attend to its duties; referred to a committee appointed by the Chairman but the delicate and precarious condition of my —consisting of R. Caton, Tench Tilghman, George Cook, Gen. Stansbury, and Edward N. Hambleton; feel for the promotion of the great purposes of your from whom the following report was received, unanimously accepted, and ordered to be published in the American Farmer:

The Committee to whom was referred the letter

Presidency of the Society, report-

That as members of the Agricultural Society of pursuits it is unnecessary to dwell upon the interest and pleasure with which I have ever been impressional pleasure with which I have ever been impressionable and they believe they speak the senticerely regret it; and more especially they regret the cause which induces this event-his infirm state of health. Your committee are sensible of the zeal and interest which Gen. Ridgely, in his official station as President, has always manifested; and knowing, with others, the wide field of his labours and experiments in agriculture, they feel that the Society has lost an efficient and useful officer; one whose station in life and universal hospitality, gave useful and flattering appendages to the station he filled with so much credit to himself and reputation to the institution. Your committee beg leave in their own names, and in behalf of each individual member. to present their thanks, their acknowledgments, and their respectful regard to Gen. Ridgely for the benefits they have received under his auspices as President, with a sincere wish, that he may regain his health, and continue to the Society his usefulness and his example. RICHARD CATON.

TENCH TILGHMAN, GEORGE COOK, TOBIAS E. STANSBURY, EDW'D N. HAMBLETON.

FARMS.

The Committee appointed to award the premiums offered for the best farms, respectfully report:

That they award the first premium to Mr. Caleb Dorsey of Caleb, Elkridge, as the proprietor of a farm which, it fully appears to this committee, upon Harpy is it for the delightful regions of these Uni- the report of a very competent committee of inspection, has been cultivated with great economy and extraordinary nett profit, and in which the permanent improvement, from a state of comparative barrenness, has been very remarkable. (A.)

The farm of Mr. Michael Bartholow, of Pine Creek, in the opinion of this committee, would be richly entitled to the second premium, had Mr. Bartory description of his farm from the committee I have derived both information and amusement appointed for the purpose of visiting all farms infrom the social meetings of our Trustees, and from tended to be offered for the society's premium-and in this case; and the more so, as Mr. B. appears to nutually supporting its constituent parts; the plain have been well aware of the condition upon which husbandman mingling his intelligence and observa- the premiums for farms was to be awarded.-

J. G. PROUD. B. J. SEMMES, CHARLES W. DOESEY, SAM'L STONE.

June 2, 1826.

To the Trustees of the Maryland Agricultural Society Elkridge, May 21, 1826. GENTLEMEN.

Being called on during the present week (in virtue of a power which you have been pleased to confer on us,) to view the farm of Caleb Dorsey of Caleb, on Elkridge, and to report its situation, products, improvements, &c. to your honourable body; we beg leave respectfully to state, that we have discharged the duty assigned us; and find that this farm contains two hundred and forty-seven acres of land; about forty acres of which is in wood, and thirty in timothy meadow; the remaining one hundred and seventy-seven acres being arable land, (for the most part, of what in the neighbourhood is called the gray rock or rotten-stone land,) is divided into five fields, the fences, or inclosures around which are in the very best repair. Two of the fields are now in wheat, one in Indian corn, and the re-maining two are in clover. The wheat looks well for the season; the Indian corn is clear of all grass or weeds, has been well cultivated, and promises an abundant erop; the clover for the scythe is of a more loxuriant growth than we have this year seen any where clse. His live stock are excellent and in high order. This farm, although a few years ago exhausted and sterile, we feel no hesitation in pronouncing now to be in as high a state of fertility and agricultural improvement as any in the State with which we are acquainted. Its management has been marked by the unusual skill, economy and industry of its owner; and his labours have been most richly rewarded by its bountiful productions. In the course of a very few years (comparatively speaking,) he has realized in cash, after supporting his family, and clear of all expenses, more than twice the value of the farm, estimating it \$45 per acre. It is a matter of notoriety, which the neighbouring inhabitants can all attest, that the expense of cultivating this farm has been much less, and its productions much greater, in proportion to its size, than any other in that highly improving part of Anne Arundel county. That some idea may be formed of the fertility and profits of this land, we will take the liberty of stating some of its products and returns for a past year. In the fall of 1824, ninety-three bushels of wheat were sown, on what the undersigned (after a full and careful inspection of the ground,) do not believe can exceed sixty-two or three acres; of which upwards of three-fourths was corn ground. And we are the more confirmed in this belief, from the universal usage of all skilful agriculturists of the neighbourhood, not to sow less than a bushel and a half of wheat to the acre; and from the thorough conviction thereof of the proprietor, derived from repeated sowings and plantings of the same land. From this seeding, Mr. Dorsey in the summer of 1825, reaped 1,809 bushels of wheat; being almost thirty bushels to the acre. Such a yield from a fallow would be nothing remarkable; but, as the production of corn land, it has few preccdents. Of this crop of wheat 1,559 bushels have in several instances. been sold at from 90 to 95 cents per bushel-140 bushels sown, and 150 remain on hand.

In the fall of 1824, from the field of less than fifty acres sown in wheat as aforesaid, he gathered four hundred barrels of sound corn. In the year 1825, when this crop of wheat was saved, he sold \$400 worth of pork, \$352 of beef, and \$150 of corn: besides what he received for calves, lambs, butter, &c., from the small piece of fallow ground in wheat, in 1825, (being between twelve and fifteen acres,) he cut in 1823, five hundred and seventy bushels of wheat; and from six acres, part thereof, he cut two hundred ninety-four and a half bushels-being almost at the rate of fifty bushels per acre.

Of the truth of the statements contained in this GENTLEMEN, report, we have the most thorough conviction; and

as far as they can be presumed to have a knowledge have been induced to annex a short statement of its of such facts. With sentiments of the highest respect and consideration, we are, gentlemen,

THOMAS B. DORSEY, Yours, &c. THOMAS HOOD, HENRY WAYMAN.

P. S. Calcb Dorsey of Caleb, cultivated also a small farm of 120 acres, distant three miles from the one afore described.

CROPS.

The committee appointed to award the premiums offered for the best crops, respectfully report:

That they award the first premium on wheat to John Mercer, Esq. of Cedar Park, West River, for the very capital crop of 36 bushels of prime wheat to the acre upon a field of Sta acres, actual produce, after a loss had been sustained while in the shock, from peculiar causes, which are satisfactorily stated to the committee as making the actual growth of the field to maturity to average nearly, if not quite, 50 bushels to the acre.

'To Mrs. Sarah West, of Frederick county, they award the second premium for a very handsome crop of wheat, averaging rather more than 33

bushels from a field of nearly 30 acres.

To Gen. John Mason of the district of Columbia, the committee adjudge the premium for the greatest quantity of Seed Cotton, being a crop of 1092 lbs. of Cotton in the seed from an acre of ground, which for want of seed was so thinly sown, as to induce the belief that the same product would have been obtained with the same seed from \$ths of the acre; a very handsome specimen both in quality and quantity, of what much of the soil of Maryland is probably capable in the production of the great southern staple, and which the committee think is well worthy the attention of Maryland farmers.

The committee had before them a valuable communication from John Mercer, Esq. on the improvement and cultivation of a part of his grounds, with especial reference to his crop of wheat, for which the premium has been adjudged;—and also an interesting letter from F. W. Bordley, Esquire, of the Eastern Shore, on the subject of marl as a manure—both of which documents they beg leave to recommend to the society as being highly useful

for publication. (B.)

The committee conceive they would not fully discharge their duties on this occasion, were they to omit the expression of their regret, that gentlemen intending to apply for premiums, should not always think it incombent upon them to render their testimonials as authentic and satisfactory as possible, and thereby relieve those appointed to award, from all unpleasant feeling in rejecting ap plications, which, being duly authenticated, might have been successful, but which they are prevented as has happened to the committee upon this occasion

The committee award to Robert Sinclair, of Baltimore, the premium, as proprietor of an apple 1824, the ample product of seven barrels to each tree.

J. G. PROUD, B. I. SEMMES, CHARLES W. DORSEY, SAMUEL STONE.

June 2, 1826.

(B.) Statement of a Crop of Wheat made in the year 1825, at Cedar Park, by Mr. John Mercer. Committee on Crops.

Cedar Park, May 30, 1826.

many of the members of this society now present, field of wheat on my farm during the last year, I progress to its present state of productiveness, as well to prove the probability of what I verily believe, that its real product was not under 50 bushels per acre, as to illustrate the facility of improving a species of soil, which, under the ordinary treatment of our agriculturalists, is almost a caput mortuum, and which abounds on the margin of the Chesapeake and its principal tributary waters. This field was very flat, and of a tenacious, whitish clay, resembling in color and consistency, what is commonly called fuller's earth. In its natural state, there is no soil less productive. The crops are generally destroyed, by the water remaining on the surface in the winter, or perish in the hot and dry summer months, in consequence of its not imbibing the necessary moisture. Frequent attempts had been made to meliorate this land by the use of clover and plaster, but if the seed vegetated early in the spring, it never failed to perish in the ensuing hot and dry weather. In the year 1820, it would not with the best cultivation have produced more than from 5 to 8 bushels of wheat. At that period I met with the tract of General Beatson, on the subject of clay burning, and was led to think that it promised the cheapest, simplest, and most effectual means of rendering that species of soil more open and friable and preparing it for the reception of clover; I accordingly set to work, and burnt a number of kilns, which afforded me as I then supposed about 250 or 300 bushels of ashes to the acre, this was fallowed in, as it was burnt, during the autumn and winter, and corn planted in the spring of 1821, and the product so far exceeded my expectations, that I attributed it in a great measure, to the happy adaptation of the season to stiff soils. In the fall of 1822, I cut off the corn, fallowed it in well, and laid it down in purple straw wheat, the crop was 50 per cent. better than any corn field wheat that I had ever seen on the estate before. In the spring of 1823 I sowed it with sappling clover seed, allowing an unusual quantity of seed, from an apprehension that I should still encounter some difficulty in getting it to take-it vegetated however, and grew off most vigorously, and as my great object was to introduce as much vegetable matter as possible, I carefully abstained from pasturing it after the wheat was taken off. During the winter and spring of 1824, I drew out, upon about 16 acres, or one half of the field, upon which I had previously laid but a small quantity of ashes, in consequence of its being of not so stiff as the other part, about 40 ox cart loads to the acre of oyster shells in a state of decomposition; the clover was as heavy as I ever recollect to have seen any where, and I suffered the whole to fall upon the ground-and about the middle of July commenced fallowing it-here I met with an unexpected difficulty, the mass of clover and shells, so obstructed by the positive rules of the society from admitting, the progress of the plough, that I found it impossible to proceed in the ordinary way-large masses of clover continually accumulated before the plough, and when pushed away upon the furrow slice, was too large to be covered, and thus remaining upon orchard, managed in a most judicious and success- the surface, offered a serious impediment to the ful manner, containing not less than five hundred trees, harrow, as well as to the seed ploughs-I then atof which two hundred are stated to have borne in tached to each team, two other active hands, besides the one employed to clear the coulter, to lay these bundles in the bottom of the furrow, immediately behind the plough, and to prepare the next furrow slice, by removing as far as they had time, whatever might have a tendency to choke and obstruct the plough-in this way I advanced slowly, but did the work effectually—the next operation was to harrow it once, with the furrow, and about the first of October, I commenced seeding it about 12 bushels to the acre, which was done with Mr. In presenting to your notice the accompanying Maxcy's five furrow or echalon plough, having a we have no doubt but that they will be verified by certificates of the product and the contents, of a care to put it in the same way, and as shallow as

I began to cut this wheat 4 or 5 days at least earlier of the stock of Sir Archy, and bred by the honourthan my neighbours, and when it was yet so green, able John Randolph, of Roanoke, considered to be that they generally predicted that the grain would of the best blood in our country, and decidedly the shrivel, and the quality be materially impaired, the two finest horses exhibited to their view. The comcontrary however was the result, I threshed out a mittee are thus induced to recommend these discresmall parcel of 111 bushels the first day's cutting, tionary premiums as being but justly due to those which weighed 633 in Baltimore, and 65 in my barn gentlemen for their patriotic exertions in introduc-before it was put on board—this difference of ing among us those valuable animals for the imweight may be easily accounted for, by the differ- provement of our breed of horses. ence in measure, the weather was damp, it was some time on board, and what was shipped for 111, held out 1142 in Baltimore, as will be seen by the eertificate No. 2, herewith inclosed. I have said, that I verily believed, that the field did not produce less than 50 bushels to the aere, and will now submit to the committee the grounds of this estimate. It will be seen by the certificate of my manager, attached to that of the surveyor, marked No. 1, that he delivered 1162 bushels of clean wheat, from the 31 acres and 50 perches. Notwithstanding the following losses, of the extent of which the committee can form their own opinion-immediately after harvest, my stock consisting of about 80 head of cattle and horses, broke into the field during the night, and in the morning we found that of 275 large shocks, they had prostrated and torn to pieces upwards of 100. Upon examining their situation, I estimated the loss as at least one bushel to the shock, and to confirm me in this impression, a tenant's eattle subsequently broke in, and tore down 10 shocks in the same way, for which, he readily agreed to pay me the price of a bushel for A chestnut horse of the Tom breed, owned byeach shock-again, not much more than one half Bay horse, - years old, owned by Mr. Zollickoffer; of the shocks were hauled in and threshed during the summer, and before the ravages of the weavil commenced; the residue was stacked, and remained until September and October, when, from stacks that I expected to yield me from seventy to eighty and action.
bushels, I did not get more than an average of A bay colt, - years old, by Exile, owned by -40 of merchantable wheat, there were also several spots about the skirts of the field very much infested with onions, these were cut and threshed out separately, and put with the offal wheat without their quantity being computed, so that I think it may fairly be presumed, that if the crop had been all saved, it would have given an average of 50 bushels. There is one other remark which I would here make to the committee, that I am satisfied that the portion of the field upon which I put the shells, which contains about 16 acres, produced 10 bushels per acre more than that which was improved only with the burnt clay.

I have the honor to be, With great respect, Your obedient servant, JOHN MERCER.

HORSES AND MARES.

offered for the best stallions and mares, beg leave to parts, were each permitted to withdraw from voting, preciated by many, to require commendation at report, that they have awarded-

To Mr. Benj. M. Buck, for his bay stallion Young stock for the saddle, the premium of

To Charles Carroll, of Carrollton, Esq, for his bay stallion Badger, (by Exile,) 3 years old, as best adapted to get stock for quick draft, the premium of

To Mr. William Price, for his brown stallion, Young Figure, 8 years old, as best adapted to get stock for slow draft, the premium of

The committee beg to recommend for the consideration of the Society, that a discretionary premium of \$15 each, be given to Charles Sterett

possible, in order to avoid disturbing the lay. On Ridgely, Esq., for the thorough bred horse Mark the 20th June, 1825, I commenced harvesting the Anthony; and to John S. Skinner, Esq., for the thorough bred brown horse Rinaldo—both horses being

SAM'L HOLLINGSWORTH, EDW'D N. HAMBLETON, CHAS. STERETT RIDGELY, HENRY HALL, E. S. WINDER, THOMAS HOOD.

ON MARES.

The Committee award—

To Edward N. Hambleton, Esq., of Talbot county, for his thorough bred grey mare Lavinia, 10 years stock for the saddle, the premium of .

To Wm. B. Stokes, Esq., for his bay mare Beck, 7 years old, as the best adapted to breed stock for quick draft, the premium of

To Charles Sterett Ridgely, Esq., for his brown mare Kate, 6 years old, as the best adapted to breed stock for slow draft, the premium of

There were other very fine stallions introduced,

both horses of fine action and well adapted to produce stock for the saddle.

A sorrel colt by Tuckahoe, rising 3 years old, owned by Mr. Schwartz, of much beauty, fine figure

of handsome form, and well adapted to breed stock for quick draft.

grey horse of the Canadian breed, owned by Mr. adapted to breed stock for slow draft. Besides others not particularly named.

The committee beg leave to report, with regret, stance. that in the arrangements heretofore made by the Trustees, it appears that no premiums have been been awarded; because there were no accompanyoffered, nor encouragement offered for the introduc- ing certificates tion of full blooded horses and mares; and it is a well and it must be admitted that it is from the thorough 13 months old. or full blooded strain, all our valuable horses of the strain of full bloods are not kept up, it may be ex- bred Devon heifer "Sally," 20 months old. pected the cross breeds will very soon degenerate.

The Committee appointed to award the premiums Ridgely, Esq., from motives of delicacy on their value, however, is too well known, and duly aptively exhibited.

Top-gallant, 6 years old, as best adapted to get Mr. Jacob Hollingswurth, and others, exhibited

SAM'L HOLLINGSWORTH, EDW'D N. HAMBLETON, CHAS. STERETT RIDGELY, HENRY HALL, EDWARD S. WINDER, THOMAS HOOD.

June 2d, 1826.

ASSES AND MULES.

\$20 For the best jack, For the best jennet,

The Committee to whom was referred the examination of mules and asses, regret that there was but one ass entered for examination, and him they considered unworthy of a premium.

JOHN O'DONNEL. S. W. SMITH. GEO. BELTZHOOVER

June 2d, 1826.

NEAT CATTLE.

The Committee on neat cattle, having examined with much attention, the various animals presented for their inspection, respectfully submit the following report:

For the best bull, over two years old, full bleod. Improved Durham short horns—they have awarded no premium, because there was no animal of this

description offered.

For the best bull, over two years old, full blood old (by Canton,) as the best adapted to breed Devon; they have awarded the premium of \$10, to Mr. Henry Thompson, for his fine bull Garrick; universally admitted to be the best Devon bull, which has been seen among us.

> For the best bull, over two years old, full blood Alderney; they have awarded no premium, there being no animal of this description presented to

their view.

For the best bull, over two years old, of any other breed; they have awarded the premium of \$10, to Mr. J. Yellott, for his large and handsome bull of Peeswater and Holstein breed.

For the best bull, under two years old, of any breed; they have awarded the premium of \$8, to Mr. Henry Thompson, for "Hamlet," a beautiful full blood Deven, out of Flora by Garrick.

For the best milch cow, certificate of her milking, quantity of butter produced, and keep for one week; and of the interval of time elapsed between her calving and the week of trial; the premium of \$15 has been awarded to Mr. Henry Thompson, for "Fanny," a half bred Devon, (out of the celebrated Dorsey, of great strength, good action and well dun cow, and by Mr. Patterson's bull;) this being not only the best cow, but the requisitions of the board having been complied with in no other in-

For the second and third best, no premiums have

For the best heifer, of any breed, the premium of known fact, that for this reason so few of that de- \$10 has been awarded to Mr. Gales, of the District scription of the most highly valuable stock of both of Columbia, for "Lucy," an uncommonly fine sexes have been withheld from public exhibition animal, of the Improved Durham short horn breed,

For the second best, they have awarded the premixed or crossed breed are produced; and if the mium of \$5 to Mr. Henry Thompson, for his full

Your committee deeply regret the entire defi-Edward N. Hambleton, Esq., and Charles Sterett ciency of the exhibition, with regard to exen; their when the animals presented by them were respec- this time; and they can but lament, the want of energy in our farmers, in not giving more interest Mr. Thomas Worthington, Mr. George Cooke, to the show, by the exhibition of some of the fine pairs of oxen which may be found in the neighbourmares worthy of notice; but from the limited num- hood. Your committee cannot close this brief reber of premiums at the disposal of the committee, port, without expressing their great disappointment they regret that it is not in their power to award at seeing so many pens vacant; but at the same premiums to them. were they to withhold the expression of their applause, at the spirited exertions of Mr. Thompson for introducing and diffusing among us his justly admired Devons: the number and fine condition of them constituting a large proportion of the show.

This variety of cattle seems to be gaining ground daily in Maryland, because the qualities they have developed, clearly indicate, that they are well calculated for this district of our country.

N. Goldsborough, WM. GIBSON, CHRIST. CARNAN. B. F. MACKALL.

SWINE.

To the Trustees of the Maryland Agricultural Society

GENTLEMEN-It is with feelings of sincere regret. that, as Judges of swine, they are constrained to announce to you, that no object "worthy of distinction" having been exhibited, they can award no premiums on the occasion.

Very respectfully, your obt. servts, THO'S B. DORSEY, SAM'L BROWN, JOHN STONE.

June 1st, 1826.

SHEEP.

The Committee appointed to examine the sheep, take leave to report the following award of premi-

For the best Saxony ram, to Wm. Patterson, Esq. \$10 For the best pair of Saxony ewes, Do. For the best inerino ram, to Gen. Mason, For the best pair of merino ewes, to Dr. A.

Thomas,

For the best Southdown ram, to the Ilon. E. Lloyd, For the best Southdown ewes, no offer.

For the best Dishley ram and ewes, no offer. For the best ram of any other breed, to Sam'l Stevens, Esq. for his ram of mixed merino and Dishley,

For the best pair of ewes as above, to Sam'l Stevens, Esq.

To the farmer who shall have raised the greatest number of lambs, in proportion to the number of ewes, to John Ensor, of Balt. county, having raised 53 lambs from 39 ewes,

There was no offer for the premium for the largest quantity of wool, except one, which was deemed of insufficient quantity, to entitle it to premium.

VOLUNTEER PREMIUM.

To the owner of the ram, which being shorn upon the ground, shall produce the greatest quantity The committee award the of pick lock wool, &c premium to Wm. R. Dickinson, Esq. of Ohio, his ram having yielded the greatest quantity of pick lock wool. The committee with difficulty made up this award, the wool from Mr. Patterson's Saxon ram being adjudged a shade finer; but the quantity not equalling that shorn from Mr. Dickinson's, the committee consider his ficece the most valuable, and have awarded as above. The committee with pleasure remark, that Gen. Mason's merino ram furnished a beautiful fleece, and was a fine specimen of merino sheep.

For the best specimen of shearing on the ground, to Richard Topham,

ED. LLOYD, JNO. MERCER. THOS. EMORY, JAMES SYKES.

DOMESTIC FAMILY MANUFACTURES

The Committee charged with the duty of inspecting the domestic family manufactures, and award highly useful to the country, they take the liberty ing the premiums allotted to them, by the Mary- of recommending it to the encouragement of the and may be revolved so as to present fresh portions land Agricultural Society, have great satisfaction in society. reporting, that the various specimens of skill and industry, exhibited on the present occasion, do infinite credit to the families that have entered into the competition, and strongly evince the policy of the society in inviting it.

The committee have awarded the premiums of the society as follows:

To Mrs. Catherine Knight, of Balt. county, for the best piece of carpeting
To Miss Eliza T. Gist, of Talbot county, for

the best hearth rug,

To Miss Eleanor Anne Bowdle, of Talbot county, for the second best hearth rug,

To Mrs. Stockett, (lady of Dr. Stockett of Elkridge) Anne-Arundel county, for the best counterpane,

To Miss Amelia Dorsey, of Dorchester county, for the best pair of knit woollen hose,

To Miss Maria Anne Priestley, of Balt. county, for the second best pair of knit woollen hose, To Mrs. Anne A. Durding, of Kent county, for the best pair of knit cotton hose,

To Miss Marietta Thomas, of Anne Arundel county, for the best pair of knit thread hose, And they have used the discretionary power, vested in them, to award,

To Miss Keturah Dorsey, of Dorchester county, for a pair of knit angola-half hose-the same premium as offered for a pair of second best cotton hose.

To Mrs. Anne Stone, of Balt. county, for several pieces of bobinett-lace, wrought in her family; the same premium as offered for the best imitation of Leghorn hats.

community-Here is, strictly speaking, a homesumption-Here is, employment judiciously distri-10 buted by her "who looketh to the ways of her household, and cateth not the bread of idleness" to every age and sex, regularly, or between whiles, in rainy days and winter evenings, as opportunity may permit; returning much clear gain, in the intrinsic vasatisfaction, derived from the use of fabrics of one's own creation-and when we know, as the commitwhich these have chiefly emanated-who will not, beauty of a good wife, in the ordering of her house."

articles of great merit, of home manufacture, to which, not being strictly of family product, they did off, new fect are to be attached, and these are supnot feel themselves at liberty to award premiums; of these they beg leave to mention particularly, and these feet meet in a point, so that they penetrate in terms of high commendation, several pieces of with the ease of a keen wedge. Mr. Virtue, who of these they beg leave to mention particularly, and various patterns of Venetian carpeting, manufactu red by Mr. John Wilson, of the city of Baltimore, remarkable for their excellence in texture, figure, self sharpening harrows, and found it to be twice as and colouring.

They also saw with great interest, a display, by Mr. John Adolph Blanc, of Piedmont in Italy, of a ported this spring from Italy) feeding on the mulberry leaf; the worms were in full vigor, and pro-

mised, as far as their numbers go, a profitable result—this being a branch of domestic industry, in

J. MASON, D. MURRAY, SAM'L STEVENS. GEO. HOFFMAN, C. Morris.

IMPLEMENTS OF HUSBANDRY.

The committee on implements of husbandry, beg \$8 leave most respectfully to report, that they have carefully examined the specimens exhibited to the 4 society, among which they observed many good ploughs, but as these will more properly fall under 3 the notice of another committee, they will merely observe, that the workmanship of these important implements, was substantial and perfect to a degree 4 highly creditable to the manufacturers, Sinelair and Moore, and Jon. S Eastman.

The attention of your committee was particularly drawn to the model of an improvement upon the common winnowing machine, designed to facilitate the first and most troublesome part of that operation, by a self feeding movement of simple construction, being a revolving endless band horizontally placed, armed with two vertical bars, and forming the bottom of the hopper, during this part of the process. If the design of the inventor, Thomas Grant, shall succeed, as it probably will, the improvement must prove very useful in dressing grain at the most laborious stage of that business. improvement will be attached by Sinclair and Moore, when required, to fans of their usual construction, which are very perfect, especially in the iron crank movement which slakes the riddles and screen. Another winnowing machine was submitimitation of Leghorn hats.

4 ted to our examination by the inventor, Enoch
Whatever doubts may exist, or however politicians may differ, as to the balance of benefits or Jona. S. Eastman, of Baltimore—the peculiarities mischiefs, that may grow out of the encouragement of this machine consist in the valve that forms the of manufacturing establishments, by legislative pro-tection; it is presumed, that none will question the cogs placed on a horizontal roller, assists the ope-10 good that must result from these domestic supplies, rator in feeding the riddles—these and the screen none will undertake to charge these, with false eco- are supported on a perpendicular spindle, and renomy, or with injurious effects to any part of the ceive their motion from cogs placed on said roller that work against the upright checks which connect preparation, of a home-production, for home-con the riddles and screen at their sides. This fan is simple and of low price, and although much smaller than usual, is nevertheless said to be very efficient.

To your committee many cultivators were exhibited, and two of them for the premium. Among the best we noticed the tried and approved corn harrow, with five Shoe-horn tines, of wrought iron lue of the article, besides the comfort, and the proud and steel, an excellent implements manufactured by Sinclair and Moore, who elaimed a premium for a self-sharpening triangular footed harrow, the tines tee have before intimated, the presiding spirit, from of which are wrought iron, ending with cast iron, three angled feet, two angles of which cut as from the good book be ready to exclaim, "as the shares, whilst the third acts as a coulter, until this sun when it ariseth in the high heaven, so is the hecomes dull, when the foot should be revolved on its screw far enough for this angle to he made to The committee had offered to their view, several act as one of the shares, whilst another acts as a coulter. Finally, when these feet have been worn plied as duplicates with the harrow. The angles of manages the farm of Robert Oliver, in Anne Arundel, has informed us that he has used one of these operative as Beatson's cultivator, when worked with half the horse power, and that he has applied to the manufacturers for three more of these valuparcel of silk worms (raised by him, from eggs im-able harrows. We are also credibly informed, that they have been for some time used and approved by many intelligent Pennsylvania farmers.

A cultivator with five tines terminated with east iron, circular plates of beveled edge, was exhithe opinion of the committee, that may become bited for premium by the inventor and maker, Jon. S. Eastman-these plates are serewed to the tines, of their circumference as the parts used become dull.

A third furrow seeding plough of improved construction, was offered for premium by Sinclair and Moore; -it is an excellent implement, calculated to seed well tilled land, casting their furrows at once,

June 1st, 1826.

and being of easy draft, it saves two thirds of the labour and time required by the single furrow seed

plough.

Your committee noticed on the ground, Eastman's well known and approved Cylindrical Straw Cutter, Brown's Vertical Wool Spinner, which enabe done with the common wheel; likewise a corn were unanimously of opinion, that the butter has sheller, being a revolving cone of wood studded with cast iron corn sheller, which has left us only to de- to award to him for itsire a self feeding improvement thereon to perfect this work of husbandry.

Your committee have doubted whether either of the implements of husbandry submitted to their notice could be considered new, and as such so especially deserving of the patronage of the so-June 1, 1826. ciety as to justify the grant of a premium; but fearing to damp the zeal of ingenious artizans, they feel it to be their duty to bestow the bounty of the society upon the implement which to them has appeared to be the most useful and new, and therefore they award the premium of \$10 for Beache's self sharpening harrow, made and exhibited by Sinclair and Moore.

But the invention of greatest importance that came under our observation is the safety carriage, exhibited by its author, a gentleman of Anne-Arundel county, near Ellicott's mills. This not being an implement of husbandry, it was not within our power otherwise to manifest our opinion of the design, than by expressing our decided approbation of this invention; - by it carriages of quick draft are placed completely under the control of the driver, who, without quitting his box, may at his pleasure, instantly lock both hind wheels, and if necessary also detach the pole, splinter, bar, and swingle trees, so as to release all with the horses, leaving the carriage at rest even on a declivity. Public stages and private carriages may be made safe conveyances by this improvement, which gives an assurance that has long been desired against risks, which have destroyed many valuable lives, and put more into great jeopardy.

June 2, 1826.

J. W. M. CULLOH, JAMES TILGHMAN, TENCH TILGINAN.

FERMENTED LIQUORS.

The committee report, that the domestic wines offered for premium, were various, and (although none of the grape,) the quality such as to render discrimination difficult—three bottles of Gooseberry Wine were very superior, and occasioned some deliberation with the committee in making their award; they, however, concluded on bestowing the premium to Miss Elizabeth Dorsey, for the best specimen of Currant Wine.

(Signed,) Jos. Gales, Chairman. June 26, 1826.

BUTTER.

The committee on the examination of Butter and Cheese, report, that they award the premium for the best fresh butter to Mr. Job Smith, and for the hest preserved butter, three months old, to Mr. E. Clapp.

valled, and although there were many specimens with the moth and weavil-we sowed our wheat

Mr. Smith, who says that his stock is a mixture of injured materially by a species of caterpillar,

known qualities, merits the attention of the public, eighteen years past, we had a similar visitation, and which they ought to be informed of.

The committee in awarding to Mr. Clapp a prebles one person to spin five times as much as can mium for his preserved butter of three months old, no peculiar claim to merit, but was without compeiron teeth, very inferior to and operating on the tition, and the fresh butter he offered was of so fine wheat is the red chaff bearded, and which I prefer principle of Phinney's well known and excellent a quality, that they regretted they had no premium

> R. CATON, C. R. CARROLL, JAS. CHESTON, Jr. ROBT. SINCLAIR, HENRY THOMPSON.

PLOUGHING.

The committee appointed on ploughing, beg leave to report, that they award to J. S. Eastman, for the best ploughing by three horses, the premium of 10. The committee notwithstanding they have awarded the premium to Mr. Eastman's plough, beg leave bert Sinclair.

The committee further report, that they award to J. S. Eastman for the best two horse ploughing, the premium of \$10, and to the successful ploughmen in each case \$2. TH. Hoon,

. JOHN KELSO, JAMES TILGHMAN, JOHN MARSH, ENOCH CLAPP.

June 2, 1826.

The Committee appointed to count the ballots, beg leave to report, that the following gentlemen have been duly elected officers of the Society for the ensuing year:

GEORGE HOWARD, of Waverly, President. James Howard, Secretary. JOHN S. SKINNER, Corresponding Secretary. James Cox, Treasurer. Charles Ridgely, of Hampton, Jacob Hollingsworth, George Cooke, Allen Thomas, Nicholas M. Bosley, B. W. Hall, James Carroll, Jr. Trustees. John B. Morris, Richard Caton Samuel W. Smith, David Williamson, Jr. H. V. Somerville, James Swan, JAMES CARROLL, JR. GEO. COOKE, JAMES HOWARD.

June 1st, 1826.

PROSPECT OF CROPS.

Extract from a Letter to the Editor, dated Rose Mount 31st May, 1826.

DEAR SIR,-"The last spring we suffered severe-The fresh butter, to which the premium has ly in our wheat crops in this neighbourhood with been awarded, possesses a richness which is unri-the Hessian fly, and during the summer more so Your committee believe, that this peculiarity of the crop probably never promised to be better, than "He is the latest inquirer into these interesting sub-richness, is mainly owing to an intermixture of imported dairy blood, with common stock, and they it is not better than many others, will, I expect, ave-this part of the economy of nature."* are supported in this opinion by information from rage 20 a 25 bushels to the acre, unless it should be

Alderney blood, imported by James Creighton & which has beset it within a few days, and which in Co. This fact which establishes the advantages a few hours strips it of its leaves and beard, and resulting from breeding from imported blood, of sometimes, though not often, cuts the head off-about though confined at that time to one field only. They are seen in detached places through the field, and in one field I have observed them to extend over a space of ten acres together-I send you a sample of the worm and the wheat eaten by them. The as a tobacco maker, having sowed the same seed 18 years in succession.

Our tobacco crop must fail for the want of plants. JOS. KENT." Yours &cc.

HORTICULTURE.

FROM THE NEW ENGLAND FARMER.

DURABILITY OF FRUITS.

Having long since been satisfied of the correctness of Mr. Knight's theory, to account, philosophically, for ascertained facts, respecting the Apple and Pear,-I have occasionally, as a caution to farmers, advised them to avoid wasting their time to report, that they were much pleased with the performance of Mr. Swan's plough, made by Ro- and labour in attempting to continue, by grafting and budding, any varieties of those fruits which, and budding, any varieties of those fruits which, in the expressive language of some of them, were run out; or according to Mr. Knight, where the trees, though still alive, had become decrepit with age. When, therefore, I saw the contrary doctrine advanced, in a piece introduced into your paper from the Essex Register, and confidently urged, with an imposing display of much reading on the subject, I thought it was proper, and even a duty, to present to your readers some facts and observations, in support of Mr. Knight's theory,-a theory of which mistaken ideas had been entertained; and of which, therefore, I gave some account. I then hoped I should not have occasion again to take up my pen on the subject. But the same writer has recurred to it; and with increased confidence attempted to overthrow Mr. Knight's theory. That this theory may be better understood, I will enter into some details; the rather, because the Essex Register writer by his partial notices, misrepresents Mr. Knight's doctrine.

Subsequently to my former communication, I received from a friend, information concerning Mr. Knight; which, with what is derived from other sources, will enable your readers more justly to estimate the value of his statements and opinions.

At nine years of age, he had a decided taste for Horticulture; and at that early period of life, he had become an engrafter and inoculator of fruit trees. Nothing has occurred, during a long life, to impair his ability, or his opportunities of cultivating his favourite pursuit. He is now nearly eighty years of age; and possessing a large landed estate, has enjoyed the means, favourable to an enlightened mind, of prosecuting his philosophical inquiries and experiments. These have been numerous. His communications of many of them were published in the philosophical transactions of the Royal Society. London, in his Encyclopedia of Gardening, (a book I have just borrowed) gives the titles of upwards of a hundred publications of Mr. Knight's, relating to the vegetable kingdom. And that celebrated chemist and philosopher, Sir Humphrey Davy, now President of the Royal Society of London,—intending to "connect together, into a general view, the observations of the most enlightvalled, and although there were many specimens of fine butter, and some of them better made than that which has gained the premium, yet they all fall the prospect the first of January last, was never more deep philosophers who have studied the physiology that which has gained the premium, yet they all fall worse. The mild winter however improved it, and perhaps the prospect the first of January last, was never med philosophers who have studied the physiology on a true of the richness which it possesses.

The mild winter however improved it, and perhaps the prospect the first of January last, was never med philosophers who have studied the physiology on a true of the richness which it possesses.

*Elements of Agricultural Chemistry, p. 9.

sopher, who has devoted a great portion of a long cultivation; and in these it annually becomes more probably be adopted with much advantage, when life in the study of the nature of plants, from the destructive, and evidently arises from the age of new varieties are to be obtained from seed; and largest fruit tree to the humblest garden vegetable, the variety; but it often appears to be hereditary. the production of these must be the first thing to whose theory concerning the limited duration of the A gravelly or wet soil, a cold preceding summer, engage the attention of the planter of the present apple and pear, the flippant writer in the Essex or a high exposed situation, adds much to its viru-day. Register has pronounced "absurd in itself, and ri-lence." diculous in its appearance." This forward gentleman. I would presume, does not understand Mr. nues Mr. Knight) "and from the general failure of so skilful and experienced a planter) to adapt the Knight's theory, or he would not misrepresent it. every attempt to propagate every old variety of the varieties of apples to the various soils and situa-For the satisfaction of those of your readers who apple, I think I am justified in the conclusion, that tions in which they may be planted; by observing take an interest in the question, I will endeavour all plants of this species, however propagated from which, he supposes fine ciders might be made in to state correctly Mr. Knight's ideas, as exhibited the same stock, partake in some degree of the same almost every part of England.—He says, "the in his treatise on the apple and pear,—the only one life, and will attend the progress of that life, in the most common defect in the orchards of Herefordof his numerous publications which I have seen habits of its youth, its maturity, and its decay; shire, and the adjoining counties, is the want of a lt is his second edition printed in 1801. The though they will not be any way affected by any infirst appears to have been published in 1797.

with Mr. Knight,—"All the old fruits, which raised least doubt but that in the culture of the appears ing."

the fame of the liquors of this country, are now pear, the life of each original tree might be protected ing."

The above three quotations are assertions of longed to three times its natural period, by robbing place: several old fruits, which were productive or more properly in the state of the stools in a not the assertions perfectly intelligible?-Why kered, and the trees would no longer come to bear."

hitherto been made to propagate healthy trees of ing the bud, and remaining ungrafted] I would re-

Such are the fucts as stated by two distinguished through many centuries."

ing unquestioned reputations.

But Mr. Knight before he formed his definitive opinion, anxious to continue the old excellent fruits, and hoping to find a cure for the diseases, and con-when I trained them to a south wall. This mode sequent deeay, by which they were effected, tried and repeated, during a number of years, but without success, various ingenious experiments, "on several kinds of fruit, but principally the Redstreak and Golden Pippin; and as they had formerly grown well in the same soil, he began to suspect that their diseases arose from the debility of age, in America have had opportunities to see this process, and would consequently be found incurable. The t will briefly describe it. canker, however, which constitutes their most fatal | In order to obtain fruits of certain delicate and ten-

cidental injuries the parent tree may sustain after a perfect state of maturity; for almost all these, Mr. Knight, mentioning the introduction of the they are detached from it. The roots, however, and having acquired their fame in very warm and faapple into England, says—"I am inclined to think the trunk adjoining them, appear to possess in all vourable situations, have been transferred from that we are indebted to the industry of the plant-trees a greater degree of durability than the bearing those to others, in which, except in very warm ers of the early part of the 17th century, and the branches; having a power of producing new hranch-summers, they are never properly ripened. The end of the preceding century, for most of those we es when the old ones have been destroyed by achave at present, and probably for all the old fine cident, or even by old age: and I have found that cider fruits. Of these they have left us a sufficient grafts taken from scions which have sprung out of I believe I have now introduced all that is nenumber; but the existence of every variety of this the trunks of old ungrafted apple and pear trees, fruit, appears to be confined to a certain period, during the curlier parts of which only, it can be propatated, at the same time, from the extremities of his facts and reasonings with the objections of the galed to the advantage of the planter No kind of the bearing branches. The former in their growth Essex Register-writer, will find the latter all obapple now cultivated, appears to have existed more assumed the appearance of young seedling stocks, than two hundred years. . . . From the description Parkinson, who wrote in 1629, has given of the apples cultivated in his time, it is evident that ing branches frequently produced fruit the second to overthrow Mr. Knight's hypothesis, we

irrecoverable." He adds-"In Yorkshire [his na- it of its branches, as soon as the qualities of its facts: does the E. R. writer mean to call in questive county] similar circumstances have taken fruit were known, and retaining it as a pollard, tion Mr. Knight's veracity?—I presume not. within my recollection, are lost: the stocks can-coppiee, which is filled at regular periods." "Should any valuable variety of the apple be re-Again Mr. Knight says, "All efforts which have tained in the state I have described [that is, growthose varieties which have been long in cultivation, commend that its branches be taken off every have, I believe, been entirely unsuccessful. The third or fourth year, and used for grafts; and that without making any pretensions to much practical

writers, well acquainted, by their personal observa-tion, with the subject of their writings, and sustain- of the existence of the apple-tree would be considerably prolonged in a southern climate; for all the old kinds grow best in warm situations; and the most diseased flourished with the greatest vigor,

> * In England, those trees are called pollards, whose branches are all cut off, from time to time; new branches, forming new tops, following each cutting: a common practice with willow trees, in our own coun-

> try,
> † "Trained against a south wall." As few farmers

discase, often arises from other causes. It is always der kinds, which will not thrive in open fields or gar-errors, in ascribing to me certain opinions which I had

Such is the character of the enlightened philo- found in those varieties which have been long in of culture will not suit the cider-maker; but it may

Mr. Knight then proceeds to give directions,

those now known by the same names, are different, year, but the others remained long unproductive."
and probably new varieties; and though many of those mentioned by Evelyn, who wrote between 30 from shoots out of the large boughs of the pear quotations from Mr. Knight's publications.—"Those and 40 years later, still remain, they appear no longer to deserve the attention of the planter.—

The Moil, and its successful rival the Redstreak, producing a much smaller quantity of thorns than no longer be propagated with advantage. The with the Musts and Golden Pippin, are in the last the one, but not being entirely free from them like fruit like the parent tree, is affected by the old age stage of decay, and the Stire and the Foxwhelp are the other. Whence he naturally infers, "that of the variety."—"The Moil and its successful hastening rapidly after them." Mr. Marshall, who wrote his Rural Economy of the extremities of the bearing branches, and pro-Pippin, are in the last stages of decay, and the Stire Gloucestershire and Herefordshire, about ten years bably an increasing tendency to decay: for the life and the Foxwhele are hastening rapidly after before Mr. Knight's publication, expressing what he saw while residing in that district of country when its branches are frequently taken off, and it trees of the Golden Pippin, and the debasement of for the purpose of describing the state of its hus- is compelled to make use of the reserved buds with fruit, afford one among a thousand instances which bandry, in all its branches, says, in accordance which nature has provided it: and I have not the might be adduced, of the decay of those varieties with Mr. Knight,—"All the old fruits, which raised least doubt but that in the culture of the apple and of fruit which have been long propagated by graft-

then does the writer resort to commentators to show their meaning? Mr. Knight is not responsible for their mistaken or absurd interpretations .-Dr. Thacher has endeavoured to render a public service by compiling a treatise on orchard fruits; grafts grow well for two or three years, after which it never be suffered to fulfil the intentions of na-knowledge of the subject. Of his great mistake they become cankered and mossy, and appear, what ture, by producing either fruit or blossoms:— respecting Mr. Knight's theory, I informed him, I consider them really to be, parts of the bearing but that the same variety might be propagated "Orchardist." This theory, indeed, Dr. Thacher

> dens, brick walls are erected, ten or twelve feet high; and, for fruits requiring the most shelter and warmth, facing the south At the foot of this wall, and at about six inches from it, the young tree is planted. Its stem, when of a convenient length, is secured to the wall by passing a shred of cloth over it, as a loop, bringing the two ends together, and nailing them to the joints of the wall. The branches springing from the sides of the tree, are in like manner fastened to the wall, tier above tier, trained sloping or horizontally flat to the wall, until it is covered to its top; and extending on each side to the distance of eight to twelve feet; according to the nature of the tree. Such branches as spring from the parts of the tree not convenient to be *At the same time I desired him to correct several

Encyclopedia, edited by Dr Mease, in Philadelphia, among whom peculiar debilities and diseases of came a little exasperated, mustered about 100 men, as the source of his information; and it is of parents become the unfortunate inheritances of their and surrounded and took him. Bucknal's observations on the doctrine in question, of which Dr. Thacher professes to give an "abstract," commencing at page 23 of his Orchardist. of the old fruits, with an intention to propagate It is not Mr. Knight's statement of his own theory; and of course he is not responsible for any erroneous notions or absurdities which the abstract exhibits. Such, for instance, as this-that if any single variety of apple be multiplied in millions of trees, yet, on the death of the parent tree, merely from old age, each individual will decline, in whatyouth and health. And Dr. Thacher's illustration apple is a new variety produced from the seed.— This, as the original stock, may continue to live one hundred years. A scion taken from it when ten years old, may live ninety years; another, taken ten years after, may enjoy a duration of eighty years; and so on progressively. At the expiration of one hundred years, the original stock and all derivatives from it, will become extinct."-Now trees, like men and other animals, may, from various canses, live to different ages before they be-come decrepit, and die; although none live for have become extinct." Why so? if the indolence

The Essex Register-writer seizes on these palpable errors of the commentators, to throw ridicule on trees; or if, in all generations, he purposely waited Mr. Knight's theory. But, in his imaginary triumph, till the trees had grown old and decrepid, before he falls into an error as gross as any he attempts to attempted to raise new stocks from their seeds (and expose. Referring to Dr. Thacher's illustration, this absurdity is implied in the remark of the Essex the writer says: "it is precisely the same as to say, Register-writer;) Nature, always provident, would of a family consisting of a grandmother, children, have supplied his deficiencies. Ripe fruit, from grand children, and great grand children, that all young and vigorous trees, dropping on the ground their lives depend upon that of the grand mother; and rotting, its seeds would there have germinated. and that when her term of life was completed, all and produced the desired new and healthy stocks. her progeny would die at the same time." But there is no analogy in the two cases. Children are not, like the engrafted limbs of trees, merely extensions of the substance of the bones and flesh, of their parents; but bear relation to them similar to the seeds of an apple, or other fruit, to the tree producing them. These seeds are produced by a sexual union in vegetation, as the young of animals are since, at Waterbury. Connecticut. It measured, produced by a like union of the male and female. when its wings were expanded, seven and a half feet, In most fruits, as in the apple and pear, the two from tip to tip. sexes are component parts of the same flowers. But in some trees, as the date, and in some plants, as the hemp, the males are exclusively on one, and the females on the other; and unless they grow near together, or intermix, there will be no fruit in one, nor seed in the other. The young of animals and the seeds of fruit trees are new stocks, capable of producing new progenies, generation after generation, to the end of time. And such is the wisdom manifested in the creation, that although some plants are endowed with the power of propagation by slips, cuttings or scions; yet, as if to insure their renewal, and in their pristine vigour, they bear seeds also, capable of producing new stocks, as a new creation. If, however, in regard to such as yield fruit to man, care be not taken to obtain new and vigorous progenies from youthful and vigorous trees-degenerate and unhealthy kinds may be pro-

never expressed nor entertained. These are in pages 16, 17, 21, 45, of his first edition, where my name is introduced. He answered me, that he would make the correction.

* Thomas S. D. Bucknal member of Parliament, wrote about thirty years ago, a pamphlet called the Orchardist; for which he obtained from the London Society of Arts, an honorary medal. A copy coming to my hands, I committed it to Mr. Bordley, Vice President of the Philadel, hia Society of Agriculture, who was then prepar-ing the second edition of his "Notes on Husbandry;" into which he introduced some brief sketches of Mr.

children. In like manner, Mr. Knight, having selected the seeds of apples of some of the best kinds new ones, "soon found that many of the young plants (particularly those from the Golden Pippin,) were nearly as much diseased as the trees which produced them." He adds-"I several times raised three or four plants from seeds taken from one apple, and when this had been produced by a diseased tree. I have had not only as many distinct ever country they may be, or however endowed with varieties as there were seeds, but some were much diseased, and others apparently healthy; though five miles in extent. The average price of sugar is the seeds were sown in the same soil, and the plants of this doctrine (p. 27, 28,) is alike unfortunate—the seeds were sown in the same soil, and the plants He says,—"Let it be supposed that the Baldwin afterwards grew within two feet of each other in the nursery. Grafts inserted from each, retained the habits of the tree from which they were taken." On this passage of Mr. Knight, in his treatise on of the imporrance of this article.

the apple and pear, the Essex Register-writer remarks—"Thus it seems, that whether we propagate from grafts, or the seed of old and decaying varieties, no new life is produced, but only the continuation of the life of the old parent stock:" and then very sagaciously adds: "If this be true, all our vaor carelessness of man, had prevented his raising new stocks from the seeds of young and healthy T. PICKERING.

(To be continued.)

MISCELLANEOUS.

An Eagle of the largest class was shot a few days since, at Waterbury, Connecticut. It measured,

GREAT FISHING.

Brooklyn, June 1.

On Monday the 8th ult. a fishing company at Riverhead, L. I. commanded by Capt. Noah Youngs, drew on shore in a seine 1,500,000 fish of the kind called moss bunkers, or bony fish, which are used for manure. The Riverhead Bay, which is about three miles across, bas yielded about nine millions of this fish, which have been taken by eighty men, and are valued for manure at one 'dollar per thousand-thus amounting to the handsome sum of 9000 dollars.

At Southold, a few miles from Riverhead, the fishing companies have been equally successful and vast quantities are on the beach.

These fish when applied to the land, render the poorest soil productive. It is stated that 10,000 will make the worst land produce twenty bushels of wheat per acre.

GREAT HAUL.

Fifteen hundred and forty Shad were taken at a Mr. J. Verplanck, for \$700. single draft on Monday last, at the Jefferson fishing place in Chatham, opposite Middletown, on the old, for sale \$600-said colt run with success against Connecticut river.

A LARGE BEAR.

A bear was surrounded and taken in Brandon, which is said to be the largest ever taken in that Esq., and may be depended on.] Vermont, on the 21st of May, weighing 428 pounds, Bucknai's method of "close pruning and medicating state. Bruin had been rather mischievous among fruit trees."

ascribes to Mr. Bucknal; and cites the Domestic duced. This is exemplified in the human race; of them, when the inhabitants in the vicinity be-

[From the Wellsborough Pioneer.] MAPLE SUGAR.

Messrs. Editors-There was this season extracted and manufactured from the Forest Tree, 36,000 lbs. of this useful and wholesome article, besides 1700 gallons of molasses; in a new but flourishing settlement in Liberty township, Tioga county, Pa. comprising in the whole about ninety families, and occupying a little circle of not more than 8 cents per pound; and of molasses 50 cents per gallon—thus bringing into circulation in this little district, 3,730 dollars, and done in the space of about six weeks. Those who read this, will judge

JOHN COCHRAN.

Liberty township, May 16, 1826.

POETRY.

AFFECTION-HER SMILE AND HER TEAR.

- what is so beautiful, half to behold. As the smile which affection bestows; It is sweeter than incense, and brighter than gold, And as soft as the breath of a rose.
- O, it sheds round the heart, in the happiest hour, A halo of rapture and love? And divinely it glows 'neath the magical power As a gem 'neath the light from above!
- If so witching her smile, O what must be her tear? Deep, deep in her heart doth it flow! It is doubly sacred, and doubly is dear, Being shed in the hour of her wo.

Both, both are most exquisite! blest is the smile Which beams in the season of gladness; And blest is the tear which can sorrow beguile. Or soften one moment of sadness.

SPORTING OLIO.



SALE OF BLOODED HORSES IN NEW-YORK, Belonging to the estate of the late Gen'l Coles. -23d May, 1826.

Dove, with a fine colt by Rattler at her side, Dove 10 years old—mare and colt sold for \$800.

A filly out of Romp by Bussora, 2 years old *price \$300-now at West-Chester with the horse Henry.

Young Romp, with a colt by Rattler 2 weeks old, sold for \$1200, to Walter Livingston.

Sports-Mistress, with foal by Rattler, sold for

A Bussora colt, 3 years old, out of Dove, sold to

A bay Bussora colt, out of Sports-Mistress, 3 years a colt of Mr. Stevens, one mile-22d inst.

Agnes sold with a colt from Eclipse by her side, to Thos. Pearsall, for \$600.

[The above account rendered by J. K. Milnor,

[* This we suppose should be three years old.]

BALTIMOBE, FRIDAY, JUNE 9, 1826.

25-The next meeting of the Trustees of the Maryland Agricultural Society, will be held at Dalton, the residence of Doctor A. Thomas, on Thursday, the 22d inst. A full meeting is expected, without further notice.

[STHE LATE CATTLE SHOW .-- We were prevented, by indispensable engagements, from dining on the ground the last day of the Exhibition. From a use your best efforts, the unanimous efforts of one friend who had that pleasure, we have received the and all, to unite in giving supportand permanence following sketch:]

company met to dine, and nominated Gen. Mason, he would beg leave to give a toast: of the District, (a member of the Society,) to fill the chair for the day, in the absence of Gen. Ridge- emulation excited by the agricultural societies of ly, the President of the society, who did not attend, our country." from the delicate state of his health.

commended an attention to domestic economy; and their duty, the health of the next president was embodied his advice in the following toast, which drunk-The chair then consecutively gave the was drunk with general approbation:

"Domestic Economy-It makes the happiness of families, and the prosperity of nations."

The following volunteer toast was, by permis- Maryland Agricultural Society" sion, offered by Mr. George Howard:

"The Constitution of the United States,-at sca, or on shore."

Captain Morris, a guest, was sitting at the right of the President.

A letter having been received by the Trustees, of President, a committee was appointed to report thereon, which report was made, read, and accepted, and ordered by the Society to be printed, with for the day, and Com. Morris again honoured the arose from a sense of good feeling, manifested by toast: him through all the stages of the society to its pre-

sent importance.

In reply to the call "of drinking his health," Gen. Mason arose, and said in expressive language, "that ris, which was drank with much pleasure. he was proud of the honour conferred on him; and observed that he had hailed the establishment of ing of the votes for officers for the ensuing year, the society, in its infancy, as destined to do much returned with a list of the persons elected; Geo. good; that he had from its beginning been a member, and although but a personably active one, he was always alive to its objects, its endeavours, and its success; that much had certainly been done; army of the United States, equally distinguished as that a feeling, an interest, a competition had been citizens, as in command." elicited, and good results had grown out of the institution. But," he observed, "although much had been done, yet much remained to be done; and to late of the navy." do this, every individual ought to put his shoulder to the wheel; the public called for it-they looked with expectation, anxious expectation, for great results, and he hoped they would not be disappointed. It was not only the interest of the Society that was included, the interest of the State, and indeed of the of Christendom." United States, were more or less connected with the Agricultural Society of Maryland, and with other similar societies." "May I," Gen. Mason ubserved, "be permitted to remark, and I do it with of Agricultural Implements and Domestic Family Magreat reluctance and with great regret, that the exspecies of stock, have not been what they were-

sessing. Why then, gentlemen, let me ask you, do you withhold an exhibition of them? Why let the character of your institution fall off?-a lack of zeal in its members. Perhaps the season is too hot-perhaps the period of your meeting is not found to be convenient for exhibiting stock." "1 would" said Gen. Mason, "gladly frame any excuse for you, rather than it should be supposed you were flagging in your zeal, or that the last fruits of the Society should be lost to the public: for with the advances you have made with your weekly journal of the 'American Farmer,' you can do much, and much is expected of you. Then let me again call on you, and urge you, not to be supine in the cause; to your institution, and success will be certain. The business of the first day being closed, the With these remarks," Gen. Mason observed, "he

"The excellent results produced by the noble

The committee for counting the votes for the After dinner, the President-elect for the day, re- officers of the day, having retired to discharge following toasts, offered by the company.

By Mr. Potts-An increased intercourse, between "the Agricultural Society of Frederick," and "the

-"The memory of Gen. Harper.

By Mr. Jacob Hollingsworth - 'The Ex-President Gen. Ridgely.

By Mr. Howard-"The American navy, our last defence."

Commodore Morris being present, he arose, and announcing Gen. Ridgely's resignation of the office remarked, "that being the only officer of the navy present, he felt a task imposed on him, to acknowledge on behalf of his brother officers and himself, the compliment paid to them, and to their profession: the General's letter, communicating his resignathat the good opinion of the country, was certainly tion. General Mason was again called to the chair a grateful reward, to any exertions they might make to merit approbation; and he hoped that the Society with his company. After the dinner was future exertions of the navy like those of the past, withdrawn, the health of the President for the day will continue to receive the applause of his counwas given, and drunk with great zeal-a zeal that try." He then asked leave, to give the following

> "The Agricultural Society of Maryland-May its success be equal to the wishes of its members.

Dr. Thomas, then gave the health of Capt. Mor.

The committee, to whom was referred the count-

By Mr. Potts of Frederick-"Captain Elliott." By Mr. Jacob Hollingsworth-"Capt. D. Murray,

By Mr. Morris—"The memory of the gallant Capt. Tripp."

By Mr. Jacob Hollingsworth-"The memory of Commodore Decatur, the pride of his country, By the Chair, and on rising-"All the pretty girls

CONTENTS OF THIS NUMBER.

Account of the Annual Cattle Show and Exhibition hibitions this day in horned cattle, and some other on the 1st and 2d inst. with the Reports of the commitwhat I, and what the public expected of you, knowing, as they do, that you have the means of displaying specimens of the best stock, in all the varieties
which modern improvement has given rise to, and
more in number than most places can best a past tees appointed to distribute the premiums-Essay on the more in number than most places can boast of pos- with some toasts drank at the dinner.

PRICES CURRENT.

PRICES C	UR	REI	TT.			
ARTICLES.	per.	WHO		LE	RET	TAIL.
		fron	t	0	from	to
BEEF, Baltimore Prime,	bbl.	7 5	0	8		
BACON, and Hams,	lb.		5	8	9	12
BEES-WAX, Am. yellow	-	3			0.0	50
COFFEE, Java,	_	1			55	25
COTTON, Louisiana, &e.		1:		14		20
Georgia Upland,	_	1	- 1	121		
COTTON YARN, No. 10,		3		2		
An advance of i cent						
each number to No. 18.	-					
CANDLES, Mould,		13		14	16	
Dipt,	-	1		10		14
CHEESE,			8	10	12	15
FEATHERS, Live, FISH, Herrings, Sus.	bbl.	2 2		33	37	
Shad, trimmed,	501,	7 0				
FLAXSEED, Rough,	oush	7.			873	
FLOUR, Superfine, eity,	bbl.	4 2	4		5 00	
Fine,		4 0	- 1	50		
Susquehanna, superfi.	-	4			4 25	
FLAX	lb.		9	11		
GUNPOWDER, Balti.	25 lb			pa 0	5 50	
GRAIN, Indian Corn, .	bush	6 8	- 1	70	0.	
Wheat, Family Flour, do. Lawler,		5	- 1	90 82	95	
do. Red,		S		90		sales
Rye,		6	-	30		50107
Barley,	_	s				
Clover Seed, Red	bush	1		25	4 75	
Ruta Baga Seed,	lb.	1				
Orchard Grass Seed,	bush	1 7			2 00	
Mangel Wurtzel Seed,	-	1 2	- 1		1 50	
Timothy Seed,	-	2 2	1		3 00	
Beaus, White,		5		56	1 87	
HEMP, Russia, elean,	ton	215	22	0	1 01	
Do. Country	1011	120	13			
HOPS	lb.		5	,	25	
HOGS' LARD,	_		7	S		
LEAD, Pig	ib.		1 2			
Bar	-	1	8	S1/2		
LEATHER, Soal, best,	-		3	24	62	
MOLASSES, sugar-house	gal.		5	28	621	75
NAMES 60204	ib.	27	1	~ 0	371	
NAILS, 6020d NAVAL STORES, Tar,	bbl.		- 1	38	9	
Pitch,	- 551.	2 2		30		
Turpentine, Soft,	_	1	0			
Oil, Whale, common, .	gal.	3	1	53	40	
Spermaceti, winter .	-		0		88	
PORK, Baltimore Mess,	bbl		0 12			
do. Prime,	-		0 9	00		
PLASTER, eargo price,	ton		0			
ground,	bbl.		0			
RICE, fresh,	lb.		3	14	18	6
Brown and yellow,	121.		1	71	8	20 12
WHISKEY, 1st proof, .	gai.	2		30	38	50
PEACH BRANDY, 4th pr			5 1	00	1	30
PEACH BRANDY, 4th pr APPTE BRANDY, 1st pr		3	6		50	
SUG 3RS, Havana White,	e.lb.	13	13		15	16
do. Brown,	-	9 0			10	
Louisiana,	11	7 7				I t
Loaf,	lb.	1 1		22	1 00	23
SPICES, Cloves,		7	7		12	
Ginger, Ground, Pepper,		1			25	
SALT, St. Ubes,	bush	4		45		
Liverpool Blown	_	4			73	
SHOT, Balt. all sizes, .	cwt.		0			
WINES, Madeira, L. P.	gal.	2 5		00	3 50	4
do. Sicily,	-	1 2			2 00	
Lisbon,	-	1 1			1 50	1 75
Claret,	doz.	4	8	0.5	5 00	9 00
Port, first quality,	gal.	1 6		85	2 50	
WOOL, Merino, full bl'd do. erossed,	16.	3 2		40 30		ashed
Common, Country,		2		23	but	free of
Skinners' or Pulled, .	_		5	30	tags	5 .
	1				,	
D. stad ones C. 1						
Prosted every Friday, at	\$5 1	er ai	nnui	n, i	or JO	HN S.

sited every Friday, at \$5 per annum, for JOHN S. SKINNER, Editor, by John D. Tov, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

TURNIPS.

On the comparative merits of various esculent rodson the seasons for sowing them—on prejudices as to -on deep ploughing, and the advantage of stirring the soil between growing crops-on the extraordinary success and skill displayed by Mr. Walker, in the management of his farm near Holmesburgh.

JNO. HARE POWEL, Esq.

No. 13. -vol. 8.

support of my opinion, I appeal to the many intel-from which the tops were taken. It may be thought ligent farmers and gentlemen by whom he is sur-presumption in me to advise the adoption of a sysrounded, who knew what his farm was when he pur-tem, which men of talents, science, and much more chased it, about 4 years since, and who know what experience have recommended and urged over and it is now. It exhibits a pleasing spectacle of what over again to little purpose—but I cannot help exmay be done by industry, skill and economy, and con- pressing my astonishment at the unwillingness maon the seasons for sowing them—on prejudices as to that the influence of the moon upon vegetation—on an firms me in the sentiments I have always entertainingenious contrivance for depositing seeds in wills

ed, that deep and repeated ploughings, in proper
ingenious contrivance for depositing seeds in wills

each that deep and repeated ploughings, in proper
on deep ploughing, and the advantage of stiring
seasons, (notwithstanding all that has been said about the difference of climate,; are the fundamen- arts, extraordinary exertions are made, and various tal principles of good farming, here as well as in experiments tried, with a view to improvement, to England. There they plough deep in order to get fame or to fortune, whilst those engaged in the rid of moisture; and here we should plough deep in first and most essential of all, in that which gives Philadelphia county, 1826.

NO. HARE POWEL, Esq.

Corresp. Secretary of the Pennsyl'a. Agricult's Society.

Sir.—From the remarks I made in a late community in the latter instance, but I have had sufficient practically pursue the unbroken "tenor of their way." nication to the society relative to the cultivation, tice to convince me of their good effects. Mr. My ideas on this subject cannot be better exempliuse, &c. of the common turnip; some may suppose Walker ploughs from 10 to 12 inches deep, and by fied, than by making the following extract from an I intended to depreciate the value of the ruta baga, a judicious rotation of crops, he last year raised eloquent address delivered before the Philadelphia or Swedish turnip, not so; for most purposes I be-lieve it to be far superior to the other—it will keep ing from 63 to 64 pounds per bushel: whilst some meeting in 1822, by Nicholas Biddle, Esq., who better, and in the spring when succulent food is of his neighbours, on much richer ground, did says most wanted by the farmer for his stock, it will be not get more than half the quantity. The last found much sweeter, and as solid as when taken summer, the latest and driest I ever experienced, I Norfolk, in rendering his land nearly ten times as from the ground-it also answers for table use when had about an acre of carrots, and about the same productive, he used the drill husbandry for sixteen the other kind has become spungy, bitter and unof mangel wurzel, next to each other in the same
palateable—I consider the ruta baga, however, for field; they grew on a declivity to a southern expofeeding purposes vastly inferior to the carrot and sure. They were sown and planted near a public mangel wurzel, and therefore cannot subscribe to road, and attracted the attention of all who passed the high encomiums that have been so lavishly be-stowed upon them—For the dairy they are less eli-others of admiration, and to many of ridicule—so with few exceptions, comparatively speaking, that gible than the white turnips, and they cannot be intense was the heat and so great the drought, that though they have "demonstration strong as proofs given to cows, in sufficient quantities to produce I almost despaired of getting any thing like half of holy writ" before their eyes, they obstinately and great increase of milk, without imparting a feculent the crop I had anticipated: having, however, experipertinaciously refuse to profit by the opportunity smell and taste to the cream and butter. The leaves enced the efficiency of ploughing often in dry weathus presented to them; and because the method which are large and exuberant, are totally inad- ther, between growing plants, I determined my lice bears the character of novelty, advance as an exmissible for the dairy, as they are infinitely strong-er and produce a more unpleasant odour than the zel arrived at a certain height, I could not pass the so much to their interest, this sapient, and as they bulb: but for dry cattle, sheep and swine, they afford an abundance of food. To bring them to permanner of growing; amongst the earrots, whose furning, and therefore will come to nothing. So feetion, you must cultivate them carefully upon the drill system, and whether they ever arrive to that forc present no obstacle, I ploughed every fifteen to become a good practical farmer, it is indispensacondition or not, will depend in a great measure on or twenty days in the driest time, and was thus af-the state of the weather. They require moisture, forded the best opportunity (but such an one as I matters; or if you do, nothing at least beyond the rich ground, and faithful tillage. Sown broad cast hope will not for some time to come occur again,) pages of an almanack, and then chiefly with the they will not come to any size, unless in a very fer-tile soil, with frequent hand hoings, which would be attended with more trouble and expense than in any where I had cut the tops off within an inch or two with more than heathen superstition in all the opeother way. To those only, who dare deviate from of the crown, and thus as it were leaving the rations of ploughing, planting, sowing, gathering, the course of their forefathers, and have courage ground bare and exposed to the scorching rays of &c. Some time since, in passing through the Phito follow the drill system, regardless of "the world's the sun, was always loose and moist; whereas the ladelphia market, I observed a woman of German dread laugh," I would recommend the cultivation soil between the mangel wurzel became, in compa-of them, for those who succeed will find themselves rison with the other, parched and hard, and the amply compensated for their labour. They have leaves so dry, that you might have reduced them in tapering from the crown to the end. I asked her, the same enemies to contend with in common with an instant to the consistence of impalpable powder, how she managed to raise them so large and fine? the white turnip, and they require to be sown ra- by rubbing them between your hands. The carrot for, said I, mine have turned out forked and indifther earlier; though the finest I ever raised, were sown in the wet season of 1824, as late as the 24th July; so that in one respect they have the advantage of the carrots and mangel wurzel, inasmuch as hauled in almost every day a hand cart load or something in it for all, said she, and you must sow that they may be a sown of the carrots and mangel wurzel, inasmuch as hauled in almost every day a hand cart load or something in it for all, said she, and you must sow that they may be sown after harvest, and after other two, containing as much as a man and a boy could in the sign of the fish; (thinks-I-to-myself, this is a crops. I sowed some last year between my carrots, well pull, for the horses and hogs, until the 11th of fish story.) On my return home, hook to see born but owing to the excessive drought, few of them November, when I began to harvest them. By I would look at my memorandum book to see how vegetated; and those that did were small, though of good quality. Those I have mentioned as having in September, had thrown out tops again as large to the ground; and it actually appeared that I had raised in 1824, between the carrots, Mr. George and as fine as those first cut, and I hauled in up-Walker, who resides near Holmesburg, and who wards of 24 cart loads, pressed on, each containing was on the second and last day of pisces, the very came from the great turnip county of Norfolk and as much as a good horse could draw. I could not time prescribed by the credulous old woman to infrom the vicinity of Holkham, assured, me that to have had less than 15 tons of roots and tops to the sure success; I therefore attributed my failure to from the vicinity of Holkham, assured, me that to take them all in all, they were the largest and finest he had ever seen in England, Scotland, or elsewhere. Walker practises the drill system, and has been himself successful in cultivating the ruta barist. by profession, and I am persuaded I hazard nothing in saying, that he has done as much, or more, in improving a poor worn out soil, with the aid of less manure, than any other man in the country. This may appear a bold assertion, but in No. 13.—Vol. 8.

"With all the splendid success of Mr. Coke, of

Now, these facts show at once, that such are the

culture at the same rate it has advanced from the beginning, it may reasonably be presumed, that in the course of some dozen centuries hence, the drill system may come into pretty general use. But to published in your 6th vol. p. 362; but as the farmers cost me, with duties and charges, forty-nine cents return once more to the carrots, in the sowing of of Kent county may not generally have access to the pound. which I think I have discovered some improve- the volumes of the American Farmer, I will briefly it will ec with the intention of obviating the necessity of of the Chestertown Telegraph will copy this into stooping, and of planting with precision and expeliation, seed of various kinds. The carrot seed, list Inquiry.—"The time of sowing and the quanticular of the farmers of Kent countries. however, is so different from all others, and so dif- tity of seed per acre." I recommend sowing as begin with one acre, or even a half acre, for soiling, ficult to sow with any degree of accuracy, that it early in the spring as the weather will permit and never entered my mind to use them for that purthe ground is dry enough. Some writers recom-selves.

J. E. HOWARD. pose, until the last season. On the 30th April, as I mend twenty pounds of seed to the acre; but I have have before mentioned, I had the ground prepared found sixteen pounds to be sufficient. in the manner I have stated to you in a former communication, (See vol. 1, Society's Memoirs.) The The ground must be made clean by a crop of podrills on the ridges* were already drawn, but it tates, or something else, for the lucerne is a weakblew so violent a gale, I found it impossible to keep ly plant when it first comes up, and weeds and grass the greater part of the seed from blowing away as will smother it if the ground has not been well presoon as it had escaped from the hand; fearful of a pared; after a few weeks it forms a strong top root, storm, I was anxious to get in the seed immediately and then it will not want protection against drought advancement of our seasons, I will not want protection against drought advancement of our seasons, I will not want protection against drought advancement of our seasons, I will not want protection against drought advancement of our seasons, I will not want protection against drought advancement of our seasons, I will not want protection against drought advancement of our seasons, I will not want protection against drought advancement of our seasons, I will not want protection against drought advancement of our seasons, I will not want protection against drought advancement of our seasons, I will not want protection against drought advancement of our seasons, I will not want protection against drought advancement of our seasons, I will not want protection against drought advancement of our seasons, I will not want protection against drought advancement of our seasons, I will not want protection against drought advancement of our seasons, I will not want protection against drought advancement of our seasons, I will not want protection against drought advancement of our seasons, I will not want protection against drought advancement of our seasons, I will not want protection against drought advancement of our seasons, I will not want protection against drought advancement of our seasons, I will not want protection against drought advancement of our seasons, I will not want protection against drought advancement of our seasons, I will not want protection against drought advancement of our seasons, I will not want protection against drought advancement of our seasons, I will not want protection against drought advancement of our seasons, I will not want protection against drought advancement of our seasons, I will not want protection against drought advancement of our seasons and the protection against advancement of our seasons advancement of our seasons advancement of our seasons advancement of our seasons adva this dilemma, and at this moment, it occurred to me there will be danger of its being overpowered by to try the tubes. It was a happy thought; for in weeds and grass. I find spring barley sown thin, a four hours I had the satisfaction to see the whole acre completed by one man and myself, with each ley soon shoots up so as to protect the young plant a tube. I had put the seed in soak forty-eight against the sun, and being thin, does not smother could not be raised often in this part of the state, hours before, and after draining the water off it. The barley, when ripe, may be moved, but and that we would have to depend on Tennessee through a fine sieve, mixed well with it about an should not be cut high, so as not to take off too and the other western and middle states for our equal quantity of plaster of paris. With this mix-much of the lucerne. ture we filled our right hand waistcoat pockets, and taking as much between the two fore-fingers and nips on the 3d of August, after a crop of early po-tering. In this new country, but few persons have thumb as could be retained without wasting, we dealt it out into the tubes, which were held over the drill as close to the bottom of it as possible, we later and lower than usual, owing to the severe mestic comfort. Some few, however, have sowed walking in the furrow; so that we were enabled to frosts about the middle of April. get on at a tolerable smart gait, eight or ten paces, get on at a tolerable share gair, eight of the pockets for a fresh without resorting again to the pockets for a fresh supply: and I found afterwards that they came barley, the other with rye. The barley was heavy ed a few acres last October, for the first time in up more regular than any I had ever sown. Blow and fine, and produced full half a crop. The luthis state, and harvested it on the days stated. I never had better, and believe I never saw better. The tubes are very simple, and cost from 33 to 40 cents. I use them myself for all seeds sown or planted in drill, and even potatoes, which I cut into single eyes. All who have seen the tubes highly approve of them. I have thought proper to annex, for the information of others, a figure and description of them; and remain, sir, very respectfully,

Your most obed't humble serv't JAMES WILLIAMS.

LUCERNE.

Mr. Skinner,

In answer to the inquiries of the Editor of the Telegraph, of Chestertown, respecting lucerne, published in your paper on the 12th of May last, I will

*1 prefer sowing all long-topped roots on ridges; particularly carrots and parsnips, because they are afforded a deeper tilth, are sown with greater despatch than by line; and, except under a ver-tical sun, the ground is less exposed to his powerful influence in mid-summer than a flat

and regular surface.

For seeds, three-fourths of an inch diameter of the tube is large enough. For potatoes, according to the size of the cuttings; mine is about 2 inches, and 3 feet 6 inches long. 1 oarry the sets in an apron bag before me, tied round the waist; and am thus enabled to plant while standing erect, and am at the same time furnished with a tolerable good substi-tute for a walking stick. The top of the tube, in the form of a funnel, or hopper, is about 3½ to 4½ inches in diameter, and the bottom 21 to 3. The former is for the better reception of seed, the latter to prevent the tube 4 from choaking with earth.

You have seen the tubes I had made, state what was there said, and I request the Editor had experience enough to decide whether it will

the last of September it was knee high; but I forbade its being cut again, as I wished it to acquire dent that wheat of the best quality may be raised strong roots and be early the next spring. On the very abundantly in Alabama; but having no good 12th of April, 1825, it was 16 inches high, (which mills we cannot have it manufactured into superfine you have recorded in No. 4, vol. 7,) and within a flour. We can have, however, fresh flour and week from that time we commenced cutting for sweat bread, if it be not very fair, provided we can soiling. It was cut several times during the sum-mer, notwithstanding the great drought. This destructive in this country to every species of corn. spring it was thick and fine, but owing to the severe If some of your valuable correspondents would fur-frosts from the 15th to the 20th of April, we did nish us with a preventive to these pests to the farfrosts from the 15th to the 20th of April, we did nish us with a preventive to these pests to the far-not commence cutting for soiling 'till the beginning mer, (the blying and black weevil,) his specific of May. About the 20th of May, I found that one would lighten the labour and cheer the heart of

some observations by a New Jersey Farmer, who vent the weevil from injuring it. I will try it in a says, "I have found by experience this article [lucerne] to be the most profitable of any grass which cessful, it will be a very important fact in agriculcan be cultivated. It vegetates quicker in the spring ture or rural economy. than any other grass, it resists the effect of drought —it may be cut four or five times in the course of —it may be cut four or five times in the course of eight-rowed, yellow flint corn, cultivated in the the season, and it will endure for at least twelve northern part of the state of New York and in

"The kind of soil most suitable for its culture, will also answer, provided it is not wet."

I shall conclude with two observations:

1st. The ground must be made rich by manure; for every farmer must know that four or five cuttings of luxuriant grass cannot be expected in one season from poor land.

less than half a dollar a pound. Sinclair had some pearance with a tassel.

If similar experiments were made, and their results cents a pound; but that I would not sow, if I sults stated, in different parts of the United States.

continue to progress in the improvement of agri-inake some observations on the subject; and I shall coud get it for nothing, for it would certainly oc-I shall endeavour, this

I imported seed two years from Liverpool, which

It will certainly make good hay; but I have not

June 8, 1826.

CLIMATE OF ALABAMA.

Mount Columbo, near Selma, Alabama, ? J. S. SKINNER, Esq., 18th May, 1826.

Sir,-To show the difference of climate and the advancement of our seasons, I will state a few facts

I had strawberries ripe on the 21st of March, and green peas on the 24th. I harvested my wheat on the 1st and 6th inst. and had green corn, perfectly

full, on the 11th.

Many have been apprehensive that good wheat Gen. McDonald, in 1824, sowed lucerne with tur- and of this, our prospects in this respect are flatwheat for two or three years, and good crops have In the spring of 1824, I sowed two acres with generally been made, and in some instances such as acre had been cut, and as the rest began to lodge, I many an honest farmer, "his country's stay," in ordered it to be cut for hay. In vol. 5, p. 214 of the Farmer, will be found hickory leaves, mixed with the wheat, would presmall way, and if the experiment should prove suc-

The corn which I ate on the 11th inst., is of the years, without being renewed. Of all other grass Canada. I got it two years ago in Saratoga, and it is the most profitable for soiling." and that it was very productive. I planted it last is a dry mellow loam; but a sandy or elay loam year early in March, and had mutton corn some will also answer, provided it is not wet."

This year I planted it in February. Instead of growing larger, in this climate, as I expected, it was last year quite a dwarf, and this year, from the production of the last, it is still more diminutive. I think, from appearances, if planted for several years from the same stock, it would cease 2d. As to seed.—Good seed cannot be got for to produce corn, and would probably make its ap-

entific and practical men. I am in lat. \$2° 26 Your obed't serv't

ANDREW PICKENS

N. B. The common corn of the country is beginning to tassel, and cotton will soon blossom.

PROSPECT OF CROPS.

Columbia, S. C., May 29, 1825.

I have nothing of importance to mention relative to our agriculture here. Our crops are suffering by an uncommon and very severe drought, and I hope the cotton crops will be very short this year. My vineyard has suffered very much in March by late frosts; so much so, that a person unacquainted with the resources of our climate, would have supposed that there would not be one single bunch of grapes; but notwithstanding this, the present prospects are very flattering, and if there should be no rot among the grapes this summer, I shall make a very great erop. The only bad effect of the frost was to oblige me to prune the whole of my vineyard, and that all the young vines (many of which would have borne fruit this year,) have been cut down to the ground. There is no plant that stands the heat and drought of our climate better than the vine.

I have, last year, spoiled my wine by following Major Adlum's advice of putting sugar in it; though instead of putting three pounds to the gallon I only put two. I wish I had put only half a pound; and if I could leave my grapes long enough on the vines so as to attain a perfect maturity, I would not

put any sugar at all.

I am, very respectfully, dear sir, Your obed't serv't,

N. HERBEMONT.

Extract from a Letter to the Editor, dated Savinton, Cecil county, Md., June 10, 1826. SIR

We have not had any rain at this place since the fall of snow on the 10th of April; some partial showers have passed in different neighbourhoods. My overseer yesterday brought to me 5 grains of corn taken from the earth, and which has laid in the which grain was as sound and in as perfect order, for the mill, as the day it was planted. My strawberries have totally failed, not one plate deserving show how the subject is connected with the cares veloped, new drawn milk should be coagulated with the name. The last of next week some of my wheat and duties of the mother, and the health of the flowers of thistles or artichoke, or with rennet, the name. The last of next week some of my wheat will be ready. A letter from Dover, Delaware, gives me equally unfavourable news; yet, strange to tell, my corn, though not high, looks strong, and is of a good colour.

HORTICULTURE.

CAULIFLOWERS.

How to preserve in hot weather, after they are cut. J. S SKINNER, Esq. June 6, 1826.

ers have matured in greater numbers than can be its subordinate functions. in connection with such a season as the present.) tioned to the state of the individual's health and of when you are assured, that the plants I send were cut the food's abounding with salutary qualities. Antewith thirty or forty others, three weeks ago, and cedently to its birth and entrance on an independent tween infant and child.]

some important inferences might be drawn by sci-have been preserved as previously stated. I am, very truly, yours, JOHN B. MORRIS. very truly, yours,

LADIES' DEPARTMENT.

FOOD-MILK.

PARTMENT," we should introduce the subject of

milk, its properties, uses, &c.

Our views are much mistaken by those, if there be any, who suppose that in appropriating a certain proportion of this journal to the peculiar instruction and entertainment of our female readers, it &c. We have a higher and a nobler aim. The delight of an infant's primeval days. Ladies' Department will be dedicated to mothers and thrifty housewives, and those who aspire to the honour of becoming such-to those who are in fact, as well as in name, the helpmates of their husbands. takes interest in the health and well-being of his Hence, when in a necessarily desultory course of race. Generally, and in all animals, it is a white, reading we may meet with any thing calculated to untransparent, bland fluid, somewhat heavier than impart useful information, or to convey an instructive moral connected with housewifely duties and maternal relations, we mark it for the printer to place it under the "LADIES' DEPARTMENT." In this por tion of our editorial duties, we are sensible much gummy substances, affords the elemental body nam assistance might be derived from many of our fair ed, by some chemists, the saccholactic, and by readers; and that assistance has been more than others the mucic acid. once sincerely and earnestly invoked.

one will admit that in a general view, scarcely any thing enters so largely into all our alimentary pre-parations; no article of food is more worthy of being investigated and understood. Such is the extent to which it is used in the economy of housekeeping, that our health as well as pleasure, may be cow forms the best subject for analytical investisaid to depend on a knowledge of its qualities, and the various modifications under which it may be advantageously used. But the light in which it may be regarded as most emphatically connected the mare, and human female, has usually been comwith this portion of our journal, is its peculiar adappared. For such reason, a view of its properties tation to the nourishment of infantile existence. Every mother will feel the truth of this suggestion ground as replanted corn, full three weeks; and at once; and our object here is merely to warn the of the whole, into the composition of milk:—it, alreader, that after the general remarks on milk contained in this number, we shall in a subsequent one, taining it in the purest state, before its acids are de-

human offspring.]

NUTRITION-FOOD.

Experience and philosophy unite in confirming the doctrine, that the organic structures of man and hand, almost always in one degree or other affects of all other beings endowed with life, never cease, the taste of the whey:--cream of tartar deterwhether in health or disease, from parting with cer- mines a similar result; and, moreover, adds a new tain proportions of the material elements whereof salt to the milk. Vinegar, therefore, if sparingly they are composed. During the first stages of its employed, is a preferable agent.—Whatever of free existence moreover, the animal frame continues ob-taining progressive augmentations of stature; and, the earthy or alkaline bases it contains. by necessary consequence, requires incessant and commensurate supplies of the organizable essences cine, or for chemical investigation, whey may be Dear Sir,—I send you a couple of cauliflowers; which are applicable to its growth. From this penot that their size merits acceptance or are entitled culiarity of the vital nature, results an indispensi-flavored vinegar into two English pints of boiling to your attention in any measure or on any account bleness of repairing these habitual diminutions, as milk; and, when coagulated, this is to be passed than that they may serve to make you familiar (if well as of providing for these ever-returning wants, through a close hair-sieve upon a piece of linen or not already so,) with the mode we have adopted to by the introduction of alimentary substances into unsized filtering paper. These filters, however, preserve this vegetable—and thereby protract the period of its stay. You are aware that they flower simultaneously, or so nearly so that it is either a feast or a famine. To obviate this, when the flower she have the flower simultaneously, or so nearly so that it is either a feast or a famine. To obviate this, when the flower she have the flowe

fact and appreciate the value of this expedient (taken process is perfect or defective in a degree propor- it is always slightly acidulous, even when separated.

mode of existence, the fœtal being, obtains all the constituent principles of its forming body from the mo-ther's nourishment and through the interposition of her circulating systems: the new-horn infant, incited by unerring instinct, desires and seeks and sucks the maternal milk as the sweetest and best aliament. destined by the Universal Parent for its earliest [It can scarcely be necessary for us to explain how it is that under the head of the "Ladies' De- prosper under the use of foods artificially commingled and prepared .- Instruction together with gratification may be derived from an attempt at comprehensively discriminating the preferable methods of nursing young ones, and of rightly adapting the management of their diet to the circumstances of their health and age:-and this suggests advantage was our design to fill that portion with frivolous in premising a description of the nature and quali-luve-sick poetry, descriptions of fashions in dress, ties of milk,—the only proper nutriment and the

Whether it be regarded as an article of nourishment or a medicinal agent, milk forms an important subject of consideration to every one who water, and impregnated with varying proportions of saccharine matter. Its constituent parts are,-serosity or whey, curd or the cheesy formation, butter, and sugar of milk which, in common with all the

In the different classes of mammiferous animals, In regard to the subject here introduced, every these milky elements exhibit distinct variations, he will admit that in a general view, scarcely any Each kind of milk is distinguished by a particular taste which can be discriminated by experienced observers, and an odour that is speedily dissipated, on the fluid being exposed to the influence of atmospheric air, or submitted to ebullition. That of the gation; and, on this account, is also the most appropriate standard with which, in regard to their natural constitution, the milk of sheep, goats, the ass, may be exhibited in detail.

Whey enters, to the extent of about nine-tenths so, holds curd and butter in suspension. For obor soluble tartar, or vinegar. These flowers do not indeed produce this effect so rapidly or with so much certainty as the rennet; but this, on the other

should be added, and the whole filtered a second consumed, cut and suspend them (separate,) in the ice-house. The leaves fade, though the flower does not diminish in worth. You can judge of this and strength of animals is promoted;—and this approaching to that of milk. Like its parent fluid,

[* The reader will observe the distinction taken be-

by rennct: and this quality depends on the presence of the butyric and acetic acids. When exposed to the air, it rapidly undergoes important changes;— its acidity gradually increases;—and it deposits minute curdy flakes.—The acid proceding from the decomposition of whey reddens purpled paper, and is named the lactic:-it acquires the consistence of extract or syrup, when concentrated. Lactic acid, decomposition of sugar of milk; for, it cannot be detected in whey that has been completely soured.

When heated, whey gives out, at first, a considerable quantity of a pellucid watery fluid, less odorous than what is yielded by pure milk; but which, like it, contains butyric acid and some anideposites its saccharine principle in yellowish crystals. By re-dissolving these in water, clarifying the mixture with whites of eggs, and evaporating it to the consistence of syrup, pure sugar of milk in the form of white crystals, is obtained. This substance is semi-transparent, and has the mild sweetish taste peculiar to the milk of many animals:—by some chemists, its formation has been referred to the vital action by which milk itself is secreted. With respect to its physical properties, it appears to hold a middle rank between sugar and gum:—like these also, notwithstanding its animal origin, it is quite destitute of azote. It melts in twelve parts of cold, or in four of boiling water, but is quite insoluble in spirits of wine, unalterable by the action of external air, and altogether insusceptible of the vinous fermentation.

Human milk yields more of this substance, than that of the ass, cow, goat, or sheep. Creamed milk contains, in a thousand parts, about thirty-five, and the cream itself, about forty-four of the saccharine matter:-but, a multitude of circumstances are prone to determine irregular results from experiments instituted for such purposes. Among these causes may be ranged,—variety of food and of climate,-a state of health or disease,-and in the human female, the all-powerful influence of the moral affections.—All these remarks tend to show that whey has for its component parts.—an excess of watery fluid, some traces of the butyric and acetic acids, a minute proportion of sugar of milk, and a very small quantity of gelatine; -and, of course, is next to uscless as an article of food, however refreshing it may be as an ordinary or medicinal drink.

Curd, or the cheesy substance of milk, though generally constituting about an eighth part of its composition, varies as much as any other of the elements of that valuable fluid. For the purpose of obtaining it as pure as possible and free of butter, it should be extracted from milk, the cream of which has first been carefully removed. So long as it remains in soft masses, it is white and semitransparent:—when formed into grained particles, by the expressure of its whey, it becomes opaque, but still preserves its delicate whiteness. Its taste is mild, fresh, and agreeable. Its particles, however, always retain a certain quantity of whey which it is difficult to separate. When deprived of this, it is still mild to the taste, dry, brittle, and will remain for some time expressed. for some time exposed to the air without undergoing any change. If the whey, however, be not entirely expressed, the curd forthwith becomes sour, gets mouldy, softens and exhales a very feetid odour, and acquires successively the different shades of red, brown, and blue. Finally, the putrescent mass passes into a kind of soap, formed by the combination of animonia with the oily substance which results from this decomposition. Curd, in such a state, continues to be equally soluble in water, as it was before the latter change supervened.

(To be Continued.)

A DESCRIPTION OF THE HETTON RAIL ROAD, IN ENGLAND,

The Hetton Rail Road extends from the town of Sunderland, on the river Wear, to the Hetton Collieries. Its length, from the pit to the staith, is seven miles five furlongs. It has an ascent of two hunthen, appears to be a formation originating in the dred and sixty-six feet; and a series of descents equal to five hundred and forty-six feet, making in the decomposition of sugar of milk; for, it cannot be whole eight hundred and twelve feet of elevation and depression, overcome by a series of levels and inclined planes. The first portion of the road, from the pit to the foot of the ascending plane, is one mile seven and a half furlongs in length; and its general descent is one-ninth of an inch to the yard, (with a portion of it, five sixteenths,) which is equally favourable for loaded and light carriages. A single loco-motive engine, with twenty-four wagons in train, has drawn six hundred tons per day, going

which, like it, contains butyric acid and some anime gaits, equal to thirty-five miles forwards and returning.

On the heat being augmented, the liquid gets a greenish-yellow colour, and becomes viscid as honey.

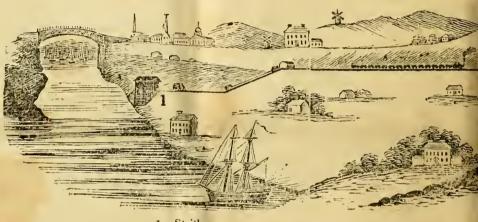
If allowed to cool in this state, it tend to move of themselves, and consequently produce less stress on the light train-two loco-motive

engines, in use at the same time, have conveyed the quantity above mentioned.

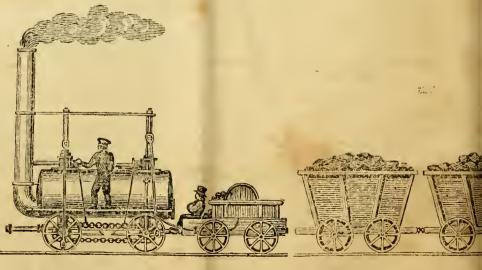
Stationary reciprocating engines, are placed at the summits of the inclined planes. These engines draw loaden and light wagons, alternately each way; and each successive station performs its operation

GENERAL VIEW OF THE HETTON RAIL WAY.

Town of Sunderland.



1. Staith.



Cost in England, 600l.

Loco-motive Engine, twelve horse power. | Tender, with coals and water.

BY WILLIAM STRICKLAND, ESQ. CIVIL ENGINEER,

in the same time; the relative speed of the wagons being according to the distances between the engines, so that their respective journies may be completed in similar times, and maintain a uniform succession of carriages each way; by means of ropes, alternately winding and unwinding upon drum wheels, eight feet in diameter.

On one of the inclined planes, the ropes are upwards of two miles in length, being supported by light cast iron concave rollers, fixed at a distance of forty or fifty feet apart, in the centre of the way, between the rails; and as the ropes are wound on and off the drum, the small rollers revolve, and keep them from coming in contact with the soil of the road.

Where the road-way deviates from a straight line, in plan, or where the plane winds to the right or left, the axes of the rollers are placed in nearly a ver-

tical direction; in order to keep the line of draught midway between the rails.

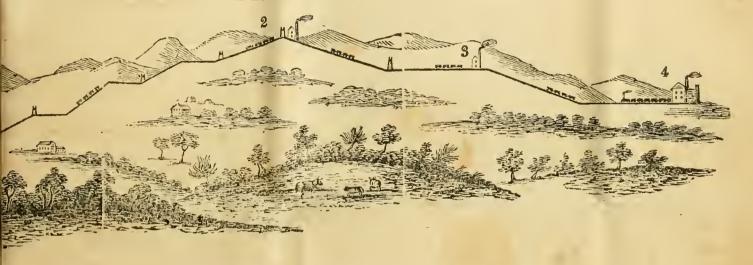
It will be perceived by the Engraved View, that this road is formed over an undulating, or hilly country; and that the transportation of all the articles from the collieries and its neighbourhood, is made to surmount a series of very considerable ascents, by means of fixed engines, placed on their summits; and the motion given by these machines to the wagons reciprocally, is equal to nine miles an hour.

the motion given by these machines to the wagors reciprocally, is equal to nine miles an hour.

The rails are made of cast iron, four feet in length; and are known generally by the denomination of the edge, or round top rail, of Losh & Stephenson.

The loco-motive engines are made of thick sheet iron, and are obviously of the high-pressure kind; they are only made to ply upon level lines of roud; for the engine itself, in any material ascent, consumes a great portion of its power in the movements of its own weight, and that of its fuel; and any sudden rise would annihilate its object and use.

LEADING FROM THE COAL MINES TO THE TOWN OF SUNDERLAND.



2. Fixed Engine.—3. Fixed Engine.—4. Pit.

Whole length of the road, 7 miles and 5 furlongs. The elevation and depression overcome, 812 feet.

From "the Fixed Engines" at the summit of each elevation, extend ropes each way, which on one side draw up the train of wagons, on the other lower them to a level, upon which they are conveyed by the loco-motive engine, until they reach an ascent or descent, when the ropes from another reciprocating engine are attached.

The figure below is admirably illustrative of the appearance of the loaded train while upon the level.



The train consists of 24 Chalder wagons, containing 90 tons.

SPORTING OLIO.



[From the Petersburg Intelligencer.] ANNALS OF THE TURF-No. 1.

It must be interesting to the amateur, the sportsman and the breeder, to give a correct, though concise account of the most distinguished turf stock ties of the stock from which they are descended; of blood horses, which existed in Virginia between the years 1750 and 1790, a period more remarkable land has proven the fact, that where a stallion has

or subsequent to that time.

lished almost at every town and considerable place well he may have raced it himself. in Virginia; when the inhabitants almost to a man, were devoted to this fascinating and rational amuse-ment: when all ranks and denominations were fond Traveller, Fearnought and Medley, of which I proof horses, especially those of the race breed: when pose to give a particular account in some succeed-gentlemen of fortune expended large sums on their studs, sparing no pains or trouble in importing the portation of stallions from England has long since best stock, and improving the breed by judicious ceased, and I hope never to see it revived again. crossing." The effects of the revolutionary war The sod of the Beacon course (4 miles and upwards) put a stop to the spirit of racing until about the is now too little trod by the English race horse: year 1790, when it began to revive, and under the short races with light weights are now too common; most promising auspices as regarded the breed of the consequences are, that their stock of blood turf horses; for just at that time or a little previous, horses are rapidly losing that stamina and inherent and yet more vain to think of removing the prejuthe capital stallion Old Medley was imported, who goodness of constitution or stoutness, which enabled dice of those who, having reflected, are yet not concontributed his full share to the reputation of the contributed his full share to the reputation of the them in former days to earry high weights, and to vinced of the tendency of such exhibitions to ele-racing stock, whose value had been before so well support frequent and hard running. Fifteen or vate the character, and to improve the actual con-established. Previous to the year 1800, but little degeneracy had taken place either in the purity of from imported English stallions, and at that time it possible to believe that there existed any doubt the blood, the form or performances of the Virginia also, there were more sportsmen on the turfi yet race horse; and in searching for the causes of a change for the worse, after this period, the most prominent one was the injudicious importation of inferior stallions from England. About the period of time last mentioned, Col. Hoomes and many highly formed, full blooded stallions, that our turfi the trace were more sportsmen on the turfi yet in regard to their practical effects, in enriching the many almost the period of labour, meliorating our domestick animals, in a deleting to our own stock, and breeding from large, of time last mentioned, Col. Hoomes and many highly formed, full blooded stallions, that our turfi to the effects produced in all these respects, by the other savailing themselves of the passion for racing others, availing themselves of the passion for racing, horses will soon equal or exceed any in the world? influence of the Massachusetts Agricultural Socieinundated Virginia with imported stallions, bought Aud as our race stock is considered stronger and ty, as demonstrated by the hon. J. Lowel, (see Am. up frequently at low prices in England, having lit-more active, it will be found advisable to breed Farm. vol. 6, p. 267.) tle reputation there, and of less approved blood, them for the saddle, plough or wagon. thereby greatly contaminating the tried and approved stocks which had long and eminently distinguished themselves for their feats on the turf, their services under the saddle, and as valuable cavalry horses during the revolutionary war. In recommending renewed efforts to the Virginians, for the further improvement and preservation of their stock of blood horses, the necessity and importance of the immediate publication of a Stud Book, (and of a racing calendar hereafter) cannot be overlooked.

It is the wish of the writer, that the tendency of this, and of the following numbers, may excite a spirit and a desire for such a work, by shewing that there are valuable materials extant, only requiring tuitously and with pleasure, supply gentlemen dediligence and zeal to bring them to light, capable sirous of propagating the silk worm with a suffiof being made up into a valuable publication on this subject. The want of such a work as a Stud Book, is now lamentably seen and felt in Virginia, where few pedigrees of any particular stock can be traced far back, before they are lost in the mazes of uncertainty and conjecture. It may safely be asserted that the stock of horses in Virginia, never can arrive to that degree of improvement and perfection, and more particularly high value as to price, they otherwise would do, unless a record of this kind is published and preserved, to be resorted to for a

horse. A Stud Book and Racing Calendar will be a standing record, always enabling us to avoid the bad, and to cherish those particular strains of to three; or that the head of an European of fifteen horses, that have established their good qualities for years is equal in size to that of a Hindoo of thirty. the turf. How has Virginia been injured in her if the size of the head indicate a corresponding inracing stock by some particular stallions, bred tellectual capacity, it may now be conceived how in that state, Potomac for instance, who although they raced it well, yet being badly bred, propagated an inferior race of horses?

A gentleman of Character has to be a greater and the state of the st

Let me therefore, emphatically remind the breeder of the race horse, to use great particularity and caution, as to the stallions from which he breeds; examine well into their pedigrees, and to the qualias an experience of more than a century in Eng. for fine horses, than perhaps any other, either prior been stained with an inferior or "danghill" cross. however remote in his pedigree, it is certain to lurk It was during this period, that "races were estab- out and exhibit itself in his progeny, no matter how

We should breed back as much as possible upon

AN ADVOCATE FOR THE TURF. (To be continued.)

MISCELLANEOUS.

SILK WORMS.

We notice in the American Farmer of June 2d, a note to the editor of that paper, from Ennals doubt who was at the last Cattle Show; and if any Martin, Esq. of Easton, Talbot county, in which he expresses a wish to be furnished with eggs of the take the handbill and compare the list of premiums silk worm. Mr. John Randall, jun, of this city, who offered, with those which were actually taken; and has a few worms that have completed their work for this season, will, we are authorised to say, graciency of the eggs to make a beginning. Such gentiemen have only to address a note to Mr. Ran-dall, who will gratify their wishes, and put them in possession of his mode of managing the worm.

(Annapolis pa.

SCRAPS.

[From late English papers received at the office of the American Farmer.]

correct knowledge of their blood. In breeding for Java and the East Indies beyond the Ganges, is ty has been established, although its funds have, to the turf and selling turf horses, blond is every thing; kept in houses suspended from the ceiling by a a great extent, been contributed by merchants, law as it has been found that particular strains or pedistring; where from year to year it continues to put yers, doctors, &c., residing in this city. And here,

Dr Patterson of Calcutta, has observed, that the skulls of Hindoos are to those of Europeans, as two

A gentleman at Gloucester has tried an experiment upon his trees, which is very likely to succeed and deserves to be known. Previous to their budding out, the wood was washed over with linseed oil, applied with a common painting brush. This appears to have rendered them completely impervious to frost, and they seem likely to bear an abundance of fruit.

Cherry-trees will not grow at St. Helena; while gooseberries and currant-trees become evergreens there, but do not bear any fruit.

THE FARMER.

BALTIMORE, FRIDAY, JUNE 16, 1826.

THE LATE CATTLE SHOW .- We do not deem it necessary to expatiate, at this time of day, on the utility of agricultural exhibitions. It were a vain task to attempt to excite those who have been so indifferent as not to have thought upon the subject;

To every one who reflects upon the subject, it must be matter of special wonder that the farmers of Maryland, and more especially in those counties most convenient to the scene of exhibition, should appear so insensible to the bearing which these shows have upon the value of their property, the credit of their own profession, and the intelligence and interests of those who are to follow them in the same line of life! Of this indifference, nobody can who were not there ask for the proof of it, let them they will find that though many were given where there was no competition, still there remained, unclaimed, in number, nearly as many as were awarded. Yet there was not a premium offered for an Such object not embraced within the regular and proper pursuits and economy of Maryland farmers and housewives -- and in regard to which every one who pretends to make his living by farming, and takes a pride in good management, ought to be proud to excel.

Let us take up each object successively, in the order of the handbill, and make a few remarks on the plan and policy of the trustees, and the manner in which their views have been met by the farmers A plant named Aerial Epidendrium, a native of of the state, for whose exclusive benefit this Sociegrees of horses of this class, are remarkable for their speed and bottom, while others are miserably defective in these essential qualities of the race

nournal in other states (in many whereof, be it to receive the applications of those who wish to terests of agriculture, and be in many respects applicable, especially to the views and policy, and regulations of all agricultural societies. First-as to

FARMS.

The highest premium was a heautiful silver bowl, and nett profit, consistently with its permanent improvement; reference being had to its natural ad-

vantages as to soil, situation, &c."

the state. How could that be better done than by premiums to the persons whom they think entitled." the terms of the offer? In the first place, the farm farmers, with small places near cities, would have an advantage over others who were farther from livery stables, and who followed farming for a live lihood; and every other restriction, specified in the terms of the offer, was adopted with the same sedulous care to hold out the prize to bona fide farmers. the cultivation, and the nett profit of the farm, consistently with its permanent improvement; and the judges were required to make allowance for its naestimate the degree of credit due to the skill and industry, and management of the proprietor-and to carp at, this beautiful and valuable premium was Three gentlemen were appointed in every county on both shores, distinguished for sound judgment and good character, whose duty it was, on the call of any candidate for the premium, to view his farm; and finally to make particular report to the society of the two in their respective counties which they might adjudge to be most worthy. That their views might be clearly understood, and that none might plead ignorance, a publication was made in the American Farmer, of September 2, 1825, and from that in many of the gazettes, from which the following extract is here made, not only to prove the fairness of the offer, but to present the plan of it, for the consideration of all agricultural societies:

"Premiums for the best cultivated Farms.

"The Maryland Agricultural Society has offered a premium of a piece of plate valued at \$50, "for the farm of not less than one hundred acres, which shall appear to have been cultivated with the greatest economy and nett profit, consistently with its permanent improvement; reference being had to its natural advantages as to soil, situation, &c.

For the second best, particulars as above, a pre-

mium of a piece of plate valued at \$30.

"In order that every farmer and planter in Mary land, may have an equal opportunity of entering into competition, the trustees have appointed three gentlemen in each county of the state, to examine and report the applications for the above premiums, in their respective counties-

"The trustees rely on the known zeal and devotion to the cause of agriculture, of the gentlemen whom they have taken the liberty to place on these committees. If, however, any of these gentlemen cannot act, it is expected that each person declining the trust will prevail on some other in his county to supply his place, and will inform the corresponding secretary of the change.
"The duty required of these committees, will be, June 22nd.

their produce in milk, butter, cheese, wool, &c.

meet, compare the different farms they have exwhich cost fifty dollars, and was offered "for the best in their respective counties. A particular ac-without charge to the parties: none therefore, need farm of not less than 100 acres, which shall appear count of each of these may then be transmitted to allow arrearages to accumulate for want of an to have been cultivated with the greatest economy the corresponding secretary at any time previous to the next Cattle Show. At the Cattle Show, the Trustees will select three gentlemen from among the members of the committees attending, to whom In offering this premium, it was the wish of the the corresponding secretary will deliver all the re-Board to attract the notice, to appeal to the pride, ports he has received; these three gentlemen will twins whilst in the possession of Mr. B. all six of and to elicit the experience of every good farmer in compare the different statements, and will award the the offspring were female, and lived.

Now then for the conclusion from all this, to to prevent it from being said that mere amateur pretend to take a pride in agricultural pursuits, who pay the feeble tribute of verbal applause to agricultural societies, and especially to those who undertake to assume the task of controlling its proceed-

Here was an elegant piece of plate, of intrinsic and lasting value, to be inscribed with the approba-Respect was required to be paid to the economy of tion of an incorporated State Society, for honorable excellence in the most honorable of all pursuits-to be handed down from father to son, as long as the salutary sentiment of family pride, and the emulatural advantages as to soil, situation, &c., so as to tion of ancestral industry and virtue should endure a prize more honorable than blood stained laurels; and yet-(shall we say it?) amongst all the farmers again, that envy and ill nature should see nothing of Maryland, not excepting the Trustees who offered the premium, there were but two that possessed offered on terms equally fair for the whole state. the spirit and the consciousness of excellent management, to enter the lists. Be it remembered, there was no standard of great productiveness, by which the farm was to be measured. The road for com-petition was wide as the state itself. 'The terms were imple as language and liberality could make them. Where then is the encouragement for those who have no direct concern in agriculture, to spend their time in upholding a society, when those for whose exclusive benefit it is designed, betray such palpable indifference to its success; when even those who have been selected to manage its concerns, from their zeal and liberality, and the extent of their land ed possessions, fail, convenient as they all are to the ground, to exhibit (with a few exceptions that shall be noticed,) one single specimen of the beneficial effects of the association, even upon themselves.

They all know our great respect for and attachment to them, individually; but a sense of duty compels us to say, that in reference to the last Show, a pernicious example of inertness was set by those who, animated by a spirit more becoming their stations and talents, might have from their own resources made the last Cattle Show honorable to themselves and creditable to the society.

We must not, however, despatch the subject of farms, without paying to Mr. Dorsey the just compliment to say, that though a greater number of rivals might have brightened his premium, it is not well earned and as justly bestowed!

[To be continued, as room and lessure can be found.]

The next meeting of the Trustees of the Maryland Agricultural Society, will be held at Dalton, culate upon having an acre fit to cut next spring: the residence of Dr. A. Thomas, on Thursday next, our hay harvest is over and has not yielded 500 wt.

THE BOSTON COURIER AND GALAXY .- All known, they are far more numerous than in Mary- offer their farms for the premiums; to view the farms persons desirous of subscribing to either of the land.) should take exception beforehand to what they of the applicants; to obtain from each a statement above named journals, are hereby informed that may apprehend will be too local, we promise them as accurate as practicable, of the size of his farm, orders for them, accompanied with the subscription to give to much of what we shall say, such general the quantity of different manures used, his kinds of money, will be received and forwarded by the Postscope and bearing as shall embrace the general in- crops, the quantity of each; the number of hands, master of Baltimore. Sensible of the kindness he horses, mules, and oxen employed; the number of has received from many editors throughout the union, cattle, sheep, and hogs kept, raised and sold, and Mr. Skinner is prompted to give general notice to all who get their papers from whatever quarter, At some convenient time, the committees can through the Baltimore Post office, that he will most cheerfully receive whatever may be due to the ediamined, and select the two which they consider the tors of said papers, and will transmit the same agent to receive them here.

> Mr. V. owned a negro wench and two cows: onc of the cows was sold and the other loaned to Mr. B. The wench had twins, and each of the cows had

RINALDO-This thorough bred, and very superior is limited to 100 as the minimum number of acres, which we would draw the attention of all those who Stallion, five years old this spring, from the stud of the Hon. John Randolph, of Roanoke, arrived in time to be exhibited at the late cattle show. He will remain during this season under the control of Messrs. Hambleton and Winder, at Easton, in Talbot county. The want of a trustworthy groom, and of time to make the requisite arrangements, prevented him from being placed, for this year, on the York and Reisterstown roads.

EXTRACT OF A LATE LETTER TO THE EDITOR.

I do not like to close my letter without making some report of the state of our agricultural concerns, as I know the interest you feel in the affairs of that class of the community every where; but really I am almost afraid of incurring the common charge against our whole fraternity, of exaggerating our troubles, were I to tell you the whole truth with regard to our present state and future prospects. You know something of the general character as to productiveness of my own estate, and that it is reasonable to conclude that I fare as well as my neighbours; now this is a fair summary of my own agricultural condition, my crop of wheat will be little more than one half what I reasonably concluded upon; the best clover fallow withstood as it generally does all the ordinary casualities incident to the wheat crop, but has recently been assailed by a new, unlooked for, and most formidable enemy, a black caterpillar, which made its appearance about the 25th of May, and it is worthy of remark, that after extensive and minute inquiry, I have not been able to ascertain a solitary instance of their originating or making their first appearance any where else than in the clover lay: they do not however confine their depredations to the spots on which they were generated or to the vegetation that immediately presents itself, after stripping the wheat of all the green leaves and devouring all the tender underling heads, they set out en masse in quest of new grounds and fresh food, in their way they devour all the common grasses, oats, corn, and in one instance on the farm of V. Maxcy, esq. in their march they came across a tobacco bed, and devoured every species of vegetation in it. This new enemy combined with the drought and Hessian-fly. have not been less destructive to our agricultural, probable that he would have lost it in the widest and most multiplied competition. Well would it be been to the moral and political prospects of those for society, that all agricultural becomes were at for society, that all agricultural honours were as who were unfortunately subjected to its equally loathsome influence. So much for our main dependence, the wheat crop; our oats have failed totally, as has also the young clover and all sorts of grasses sown this spring; I sowed 200 acres in clover, timothy, orchard grass and lucern, and do not calto the acre upon the best soil; I had planted in the last week of April 3 acres of carrots, parsnips and mangel wurtzel, which came up badly in consequence of the drought at that time, and since had quence of the drought at that time, and since had "Like his sire, he is fit for the dray, wagon or coach, "Like his sire, he is fit for the dray, "Like his sire, he is fit for the dray, wagon or coach, "Like his sire, he is fit for the dray, wagon or coach, "Like his sire so completely perished that I have ploughed up the ground and haid it down in ruta baga. The pastures have failed entirely, and in many places the grass is dead to the extremities of the roots. Our streams have ceased to run for weeks past, and it is with the greatest difficulty we can obtain water spring, are now dying rapidly. The garden affords threshing machine, imported by W. Dawson, Esq. late Brion which the eye can rest that does not add melancholy feature to this picture of misery, except the Indian corn, that is still promising: the peculiar character of this plant seems to be, that if it has not in the early stages of its growth been rendered tender and succulent, by much moisture, it will endure any degree of dryness, (provided it is accompanied dence recommend to our friends. with 90 degrees of heat) until it arrives at a certain age, when moisture becomes essential to its further progress to maturity: it is now in that critical state, and if it does not please providence to bless us with in Saxony, on Friday, the 23d of June, at Thomas rain in the course of the ensuing week, we shall be Swift's, New Bull's Itead, Third Avenue, will be sold bereaved of this last and only hope. I come now to at public auction, the entire flock of Saxony Sheep, imour great staple, the tobacco crop, and in a few words will give you a fair estimate of the prospect. In my immediate vicinity, and it is not more flatter-former two flocks imported ioto Boston, and of which ing as far as I can learn in the adjacent county. ing as far as I can learn in the adjacent county, that one at Brighton gave so general satisfaction to where you know the bulk of the crop is made, it is purchasers. They were selected after a minute examino longer within the reach of any change of weather, to afford more than a fourth of a crop: as to myself, I do not calculate upon making more than 10 hogsheads under any circumstances, and I may not make 5, and certainly shall not, if there is no try, that the importer abstains from saying much in rain during the ensuing week, and I laid out for at their favour, and invites farmers, manufacturers, judges least 80 hogsheads. But enough of these miseries. least 80 hogsheads. But enough of these miseries. of wool, and admirers of fine sheep, to come and see, I thank God that there is a portion of the community and then judge for themselves. The importer flatters

MARKETING-Butter, per lb. 25 a 31 cts.- Eggs, per doz. 15 cts.—Pork, per lb. 6 cts.—Beef, prime pieces, 122 cts.—Mutton, 6 cts.—Veal, 8 a 10 cts.— Potatoes, per bushel, \$1-Peas, \$1.50-Beans \$2-Chickens, per doz. \$2 a 2.25.

LIVE CATTLE \$6 a 6.50

THE THOROUGH BRED STALLION RINALDO.

By Sir Archy-bred by the Hon. John Randolph, of Roanoke, Virginia, will stand the present season at one of the subscribers' stables in EASTON, at the low price of fifteen dollars the spring's chance, which ten dollars will discharge if paid by the first of October next—\$5 the single leap and \$20 to insure a mare with foal—25 cents in each case to be paid to the groom. The season will be extended to the first of August, or longer if required.

RtNALDO is fifteen and a half hands high, and five years old this season, is a borse of uncommon bone and museular powers. He is a deep or blood bay with black mane, tait, and legs-has never covered a mare, having just arrived from Roanoke in Virginia. He was got by Sir Archy, (who is now covering at \$75 the spring's chance:) his dam Miss Ryland, by Graechus, Duste by Silvertail, Vanity by Celer, Mark Anthony, Jolly Rodger, -see American Farmer of April 9, 1824. Although a train of fortuitous eireumstances enable the subscribers to offer the services of Rinaldo unprecedentedly low. yet it is a fact, susceptible of proof, that he cannot he purchased for less than \$2,000. We are mainly indebted to J. S. Skinner, Esq. to whose care and direction Mr. Randolph entrusted this noble animal, for enabling us to offer his services at a price within the reach of every farmer, and so much below the price now paying by citizens of other states for the services of horses from the same stud. Good pasturage may be procured to the price house of the price for many from a distribution of the price for the brought to his stable.

The following extract from the advertisement of

as well as the turf, the field and the road, in short for every purpose to which this noble animal can be applied, but that of a shooting poney."

EDW'D N. HAMBLETON, EDW'D S. WINDER.

seasons, and is out of repair, and will be sold at one half of its original eost; it can be repaired by an experienced workman by the day, if required, at the cost of the purchaser.

Our white flat and yellow bullock turnip seed, is now threshed and looks fine, the quality we can with confi-

SALE OF ELECTORAL SAXONY SHEEP,

Imported by Adolphus Pohlintz, a native of Leipsie, nation from the Electoral flocks in Saxony, without regard to trouble or expense, and some were by permis-sion obtained from the flocks of his Saxon Majesty's domain. At former importations, so much has been try, that the importer abstains from saying much in I thank God that there is a portion of the commu-nity whose lot is east elsewhere, and who will be no farther involved in our distresses, than may be in-depend by sympathy with the unfortunate. sheep of the finest fleeces and purest stock and descent and he thinks it impossible to import any superior. The whole number shipped in Hamburgh was 180, of which about one-half are bucks, who in point of beauty and strength, and fineness of their fleeces, can searcely be equalled. Samples of the wool, and certificates of each sheep, ean be seen at Mr. F. Gebhard's, corner of Rector and Greenwich streets, No. 91. The sheep can be examined at the New Bull's Head, any time before the sale, which will take place as advertised, at 10 o'clock A. M. Every sheep shall be sold without any reserva-tion, at public sale. None will be sold at private sale previous on any terms.

M. HOFFMAN & SONS, Auet'rs. New-York, June 10.

FOR SALE.

Two ewes and one buck, and three buck lambs of the improved Bakewell and Dishley breed; they are hand some, with bald faces and legs, the wool is used in Great-Britain for the manufacture of stuff goods, such as camblets, bombazines, circassians, &c. The mutton is very fine, and pretty large, but not so large as the Dish ley alone, which is considered an improvement on that breed. The stock is pure, and sprung from a pair captured during the late war, going out it was said, to the governor of Nova-Scotia, to improve the stock of tha eountry; and sold as prize in the city of New-York The old lady is still in possession of the present proprie tor, and although ten or twelve years or more old, ha a very fine lamb this season. Apply to the Editor.

CONTENTS OF THIS NUMBER.

Essay on the comparative merits of various escuten roots, &e. with an ingenious contrivance for depositing seeds in drills—On Lucerne, by J. E. Howard—On the elimate and productions of Alabama—Prospect of Crops—Cauliflowers, bow to preserve them in hot weather—On the properties, uses, &c. of Milk—Description and view of the Hetton Rail Road, England—Annals of Skinner, Editor, by John D. Toy, corner of St. in the neighbourhood of Easton for mares from a distance; and as Rinaldo will not travel, all mares must be the Turf, No. 1—silk worms—Scraps from late Engineering the Distance of the International Control of the Intern lish papers-Editorial remarks on the late Cattle Show.

PRICES CURRENT.

١	PRICES C	UR	REN	r.		
I	A DELCT DO		WHOL	ESALE	RET	TAIL.
	ARTICLES.	per.	from	to	from	to
1	BEEF, Baltimore Prime,	bbl.	7 50	8		
1	BACON, and Hams,	lh.	6	9	9	12
١	BEES-WAX, Am. yellow	_	31	33		50
	COFFEE, Java,	_	17	174	22	25
1	Havana,		15	17		20
ı	COTTON, Louisiana, &c.		13	14		
	Georgia Upland,	-	113	121		
1	COTTON YARN, No. 10, An advance of 1 cent		50			
1	each number to No. 18.					
1	CANDLES, Mould,	_	121	13	16	18
1	Dipt,		10	11		14
	CHEESE,		8	10	12	15
1	FEATHERS, Live,		30	31	37	
	FISH, Herrings, Sus.	bbl.	2 37	2 50		
	Shad, trimmed,	oush	7 00		873	
1	FLAXSEED, Rough, FLOUR, Superfine, city,	bbl.	4 25		5 00	
١	Fine,	-	4 00	4 50	0 00	
	Susquehanna, superfi.		4		4 25	
	FLAX	lb.	9	11		
	GUNPOWDER, Balti	25]b	5 00		5 50	
1	GRAIN, Indian Corn, .	bush	67	70	,	
	Wheat, Family Flour,		90	95	1 00	
1	do. Lawler,		75 85	85 92		anlas
	do. Red, Rye,		68	70		sales
1	Rye,		80	,0		1 2
	Barley,	bush		4 25	4 75	Va.
	Ruta Baga Seed,	lb.	1			
.	Orehard Grass Seed,	bush	1 75		2 00	
ŀ	Mangel Wurtzel Seed,		1 25		1 50	
ŀ	Timothy Seed,		2 25		3 00	
۱	Oats,		56 1 70		1 87	
1	Beans, White, HEMP, Russia, clean, .	ton	215	220	1 31	
ì	Do Country		120	130		
1	HOPS	lb.	15		25	
	HOGS' LARD,	-	7	9	12	
	LEAD, Pig	lb.	61/2			
١	Bar	-	8	81	0.0	
	LEATHER, Soal, best,		23	24	62 621	
,	MOLASSES, sugar-house	gal.	45 30	31	371	75
8	Havana, 1st qual NAHLS, 6a20d	lb.	61	0.	9	
n d	NAVAL STORES, Tar,	bhl.				
e	Pitch,		2 25			
h	Turpentine, Soft,	-	1 75			
-	OIL, Whale, common, .	gal.	31	33	40	
е	Spermaeeti, winter .	-	70	75	88	
e	PORK, Baltimore Mess,	bbl	8 50	12 00 9 00		
,	do. Prime, PLASTER, cargo price,	ton.		3 00		
-	ground,	bbl.				
e	RICE, fresh,	lb.			5	6
	SOAP, Baltimore White,	lb.	12		18	20
	Brown and yellow,		51/2		8	12
	WHISKEY, 1st proof, .	gal.	29	80	38	50
	PEACH BRANDY, 4th pr		75 36	1 00	1 25 50	
е	APPLE BRANDY, 1st pr SUGARS, Havana White,	c.lb.	t	18 50		16
-	do. Brown,	-10.	9 00	9 50		10
n	Louisiana,	_	7 75	9 50	10	11
h	Loaf,	lb.	19	22	20	23
n	SPICES, Cloves,	-	75		1 00	
t	Ginger, Ground,	-	7		12	
	Pepper,	·	17	4.5	25	
e	SALT, St. Ubes,	bush	43		75	
t	Liverpool Blown SHOT, Balt. all sizes, .	ewt			10	
	WINES, Madeira, L. P.	gal.	2 50		3 50	4
-	do. Sieily,	541.	1 15		1 0 00	
S	Lisbon,	-	1 15	1	1 50	1 75
	Claret,	doz	. 4	8	5 00	9 00
=	Port, first quality,	gal.	1 65			
*	WOOL, Merino, full bl'd		30			vashed
t	do. crossed,	-	20		Liver	free of
2	Common, Country, . Skinners' or Pulled, .		20		tuo	
f	Skinners of Fulled, .	1		40	,	

Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

A letter from Wm. B. Page, Esq. enclosing a

I cannot expect to furnish any thing of more value

as rules to direct his practice.

It should be observed, that though I have applied mild lime to more than 500 acres, scarcely any use therefore I have no practical knowledge of its pecusoluble vegetable matter. Under our hot sumports, culture, which will allow more to return to the earth, vegetable manures rot too fast, and the cultivator should endeavour to retard, rather than hasten their decomposition. But a different practice may be neutralizing acids. Lime is never furnished by naren peat.

effects of caustic lime, they must be considered as on the other hand, many substaces having different names, (as old burnt lime, halk, shells, limestone, leached ashes, and mar!) all have different proportions of the same calcaeous ingredient, and dominating qualities; and many absurd practises owe their origin and contidance to the same error in our practical men. This the industrious farmers of Long Island have longueed as a manure, leach have even sometimes sipped the soap factories in to action. Petersburg, paying fiv or eight cents the bushel, besides the expense of so long a transportation. distance, might be pplied at less than half the cost provements on such soils as are naturally poor. of an equal value of ashes. Your remarks shew

consider our calcareous manures as substantially my opinion has suffered no change or abatement as the same, though your practice may be confined to to the value of that manure. I have extended the

essay in vol. 3, American Farmer.

The principal action of both sand and clay, is has been made by me of caustic or quick lime; and mechanical, and therefore large proportions are required to produce perceptible effects as manures. liar solvent power. According to the theory of But from the presence or absence of a very small Davy, while lime continues caustic it acts powerful proportion of lime in soils, important results are ly on all animal and vegetable matters in contact produced, because in common cases, lime acts chewith it-breaking down and rotting whatever is mically, and not mechanically. Clay has but little hard, insoluble and inert-and driving off or de- power, and sand none, in holding vegetable or ani stroying whatever is already rotten, or fit for the mal manures: but lime combines with them strongimmediate use of growing plants. Hence, we may ly, fixes them in the soil, and yields them solely to getable ingredients of the soil. But as usually appare more or less deficient, none capable of support-Nor do I think this power can safely be used in our used on every soil which nature has not made abunclimate, except in very few cases; as on broom-dantly calcareous; but this benefit must necessarily straw old fields, or newly cleared poor woodland, be gradual, never quickly perceptible, nor can it be which contain much inert, and but little active of expected at all, unless on soils under meliorating

proper in colder climates. Frequent applications ture pure, as it attracts acids so strongly as always It follows then that however powerful may be the will readily yield its place to any stronger acid evidence. Sects of caustic lime, they must be considered as which may be brought in contact. Thus, if a bit When it separate and distinct from the durabe and far more of chalk or limestone be thrown into diluted aqua tion have been always good, and sometimes much valuable effects of mild line, or calareous manures fortis, the strong acid seizes on the lime, the weak-better than the first crops after the fossil shells were in general. The same substance, quick lime) will er escapes in air bubbles, and (if enough lime is used) applied. This increase was looked for and proat different periods, act as two finds of manure, the acidity and other qualities of the aqua fortis entirely different in their modes of operation; and are entirely destroyed. Such a process takes place My later experiments with first dressings give results in most of our soils when lime is applied, and probably may in some of yours Decaying vegetables satisfactory proof I can offer you of the value of or other causes, produce acids which either com proportions of the same calcaeous ingredient, and ought to be considered as the same manure. Yet most writers class these manures under different heads, without knowing the sameness of their predominating qualities; and many absurd practises without knowing the sameness of their predominating qualities; and many absurd practises without knowing the sameness of their predominating qualities; and many absurd practises without knowing the sameness of their predominating qualities; and many absurd practises without knowing the sameness of their predominating qualities; and many absurd practises without knowing the same manure. Yet the same manure with lime and form useful manures, or if all wheat, which having been generally my only articulated with lime and form useful manures, or if all wheat, which having been generally my only articulated with lime and form useful manures, or if all wheat, which having been generally my only articulated with lime and form useful manures, or if all wheat, which having been generally my only articulated wheat, which the having been generally my only articulated wheat, which the having been generally my only articulated wheat, which the having been generally my only articulated wheat, which the having been generally my only articulated wheat, which the having been generally my only articulated wheat, which the having been generally my only articulated wheat, which the having been generally my only articulated wheat, which the having been generally my only articulated wheat, which the having been generally my only articulated wheat, which the having been generally my only articulated wheat, which the having been generally my only articulated wheat, which the having been generally my only articulated wheat, which the having been generally my only articulated wheat, which the having been generally my only articulated wheat, which the having been generally my only articulated wheat, which the having been generally my only articulated wheat, which the having been generally my only arti plied to a soil of this kind, the poisonous acid is de stroyed, one cause of barrenness removed, and the 2000 bushels, and that it fell short was entirely ow first crop may be increased from 50 to even 200 ing to the unexampled injury caused this season by ed ashes, brought hundeds of miles by water: they per cent. before any other effect of lime comes in- rust. As it was, my loss was less than on any other

Long Island, and thich even if carried the same will enable us to make durable and profitable im- its destruction by rust, or insure its safety.

calcined limestone, as mine as been to fossil shells. improvement over my farm as fast as possible, and ON LIME AS A MANURE.

I now proceed to answer your particular inquigenerally with great benefit, though sometimes to describe an arrangement of the solution of the valley.—May 29, 1826.

A letter from Wm. B. Page, Esq. enclosing a manure in general; to what crops and in what from 500 to 800 heaped bushels of shell marl per communication from E. Ruffin, Esq. was received, and the communication from Mr. Ruffin ordered to the printed.

Dear Sig. Cognin's Point, October 20, 1825 Your letter reached me only a few days before the commencement of a long journey, which has which my practice has been tried, and with which I cropped than mine. Where equal quantities were prevented my attending to your request until this am best acquainted. Your own judgment can best put on, the injury on my land was in proportion to time. I shall now endeavour to answer your inqui-ries as fully as my limited means will permit; though ble here, will also be advisable in your situation; cy of vegetable matter: under opposite circumand for that purpose, it will be necessary for me to stances, no injury was produced even where 1000 than loose hints, which perhaps may serve as subjects for a Frederick farmer to think about, but not lime acts, and the different effects produced, referthis error then is apparent—and where too much ring you for the reasons on which they rest to my mild lime has been given, the soil is made more able to retain and profit by the vegetable matter which is then wanting. No soils have yet suffered in this way except such as were before acid, which induces the belief that the salt of lime (formed with the vegetable acid) causes this disease-and unless enough dead vegetable matter be present for this salt to act on, that it will injure the growing crop. Though I have lost some crop, and much labour by these heavy dressings, the result has not discouraged me: it only shews the manure to be much stronger than I thought, and that less will be sufficient to produce infer that the mere causticity of lime will be ser the growing crop. Hence, without lime, no soil can either benefit or injury. Candour requires the viceable or hurtful, according to the state of the ve- be long otherwise than barren. Though most soils statement of loss from marling, which however could not have occurred either to my neighbours or plied, quick lime becomes as mild as before burning vegetation can be entirely destitute of lime in myself, if the advice I formerly gave had been ating, by again absorbing carbonic acid from the atmosphere, before its solvent power can be exerted. with and fixing manures, may be advantageously ties, and repeat it as might be found necessary, and not to use it at all, if exhausting cultivation was to be continued. No first crop after marling has suffered by this disease, (and its marks are too evident to be overlooked;) and when it has occurred in the second rotation, it never reduced the crop so low as the product of the land in its previous state. Another fact is worthy of observation: on spots where wheat of this and last year's crop was almost destroyed by overliming, clover stood and of caustic lime must be highly useful in Scotland, to be combined with some one or other—and most grew so well, that it promises to draw off the exfor example, where vegetable matters, unotted and generally with carbonic, the weakest and most cess of the salt of lime, or otherwise to furnish insoluble, have continued to accumulate and extend, abundant of all, and with it forms mild lime, or cal-enough vegetable matter to balance and cure the until one sixth of that country is cevered with bar- carcous earth. This acid is driven off by strong evil. Of this, however, my experience is as yet too heat, leaving the lime then pure, (or caustic,) or it limited to be considered as furnishing conclusive

When not diseased, the crops of the second rotasimilar to those already published. But the most calcareous manures, is a statement of my crops of

The last crop I expected would have been at least farm in the lower country that I have heard of, as There are several other minor benefits from lime, but few made half a crop, and many did not save with a detail of which I shall not trouble you: for enough for seed. This difference was mostly ow-Yet whatever benef was obtained from this ma- if my opinions are well founded, the two properties ing to the manure I had used, as lime hastens the nure, they might he found as well in the fossil of fixing manures and neutralizing acids are suffi- ripening of all crops, and a few days difference in shells which I belied lie beneath the surface of all cient to shew that lime (and nothing else but lime) the ripening of a field of wheat may either cause

None of my limed land brought wheat until of an equal value of ashes. Your remarks shew since the publication of my early experience of 1820, and the following table shews that but little that we agree in its view—and that you correctly mark, (as we improperly call the bed of fossil shells,) average increase of product had taken place before.

No. 14. - OL. 8.

100				Service Control of the Control of th
Years.	Acres.	Product.	Average.	
1813	145	810	$5\frac{85}{145}$	co her
1814	110	550	5	Average acre for 5 1-
1815	78	520	$6\frac{52}{78}$) Ave
1816	104	896	8 64	je (
1817	79	595	$7\frac{42}{79}$	average
1818	63	450	7 9/63	2d 2
1819	132	1015	$7\frac{91}{132}$) ige
1820	119	1020	$8\frac{68}{119}$	average 7 2
1821	160	1049	$6\frac{89}{160}$) g
1822	154	1627	$10^{\frac{84}{159}}$	Pirage.
1823	139	1475	$10^{\frac{85}{139}}$	th average $10\frac{1}{2}$
1824	194	1850	$9\frac{104}{194}$) \$
1825	195	1452	7 37	

gion, will shew fields the most highly improved

Your doubt whether lime will suit limestone soils, reous earth, and nearly so of lime in any other form. a slight mixture of shells, and which, in this respect, however important it may be, is yet of doubtful as well as in natural fertility, I suppose is nearly existence. You are aware that gypsum has seldom similar to your limestone soils; here the effect of any effect below the falls, and that most of the opposite of which being as coard as gravel and not very soft, would not be reduced in the soil, and perceptible, though I confide in the benefit increases. Cer-

mainder of this soil, as soon as I can finish what is ral defect in our lands. You state the general oblime, by George E. Harrison, at Brandon, are mostly soi's to contain the smallest proportion of calcareous than you will find most of your limestone soils.

fine the term to such as are so intermixed with limestone, or lying so near it, that the soil must neces river, you would obtain the material for lime at far sarily have been furnished with some of its compoless cost. Oyster shells, taken from vessels off the nent parts from the stone. If my theoretical opini- landing places, cost 622 cents per hogshead, (yieldons are correct, every such soil should be naturally ing 14 bushels of lime.) while you would quarry the rich, durable, and, when worn by cultivation, easy rock on the farm, or perhaps the field, where the to restore by rest or manure, compared to poor lime was to be spread. But I doubt whether burn-Some of the after increase is certainly due to rule, if any real limestone soil is poor (without bemanure with lime; as its solvent power is seldom other kinds of improvement, but I have no doubt ing made so by such evident causes as wetness, used or wanted, it will serve as well mild as caustic. away. You must observe, therefore, that it was the ties which I have visited, you have soils enough, tity, as in their richness. With a view to answering richest half of each shift that averaged from 5\frac{1}{3} to which, though (by courtesy) called limestone, are your inquiries, I paid attention to mountains, and s bushels. During the last term, all the land before not better entitled to that name than the pine lands would have examined many supposed materials for left out, has been in wheat, which makes the inof the lower counties. By most persons, the term manure, but for the want of the necessary tests; as
crease of average product greater than would aplimestone is applied, not only to any land that shows it was, I brought home, and have analyzed, eight or

arises from the supposed similar constitution of soil produce most immediate effect, when laid on the as you describe yours, originally field, and have done some attributed that richness to their being manured by on after ploughing, as it is better intermixed in the pickaxe. A stone which is very abundant about nature with lime. It follows, from this supposition, course of cultivation, and the canger of its being the Salt Sulthur springs, is so hard, in the earth,

But it does not follow that lime may not be advan-field crops except corn and wheat, to which calca-many more examilations to prove the strength or

ing with time, and accordingly shall lime the re- been supposed to cause this remarkable and reneless favoured by nature, and where greater improveless favoured by n found great benefit from fossil shells, which he car-ried across the river from my shore, and applied to generally are not even slightly calcareous, and on some acres of the naturally rich land at Berkeley. the most accurate examination, I do not think you. The extensive improvements made with oyster shell will find a twentieth part of even your limestone on land naturally rich, and not more destitute of lime earth. The expense of burning I cannot estimate even on the practice of neighbouring farmers, of When I speak of limestone soils, I mean to con-whom I have in vain made inquiries. But even if your fuel should be rather more dear than on James other kinds of improvement, but I have no doubting made so by such evident causes as wetness, used or wanted, it will serve as well mild as caustic, that full three-fourths of the whole was caused by the use of calcareous manures, on land rested two the use of calcareous manures, on land rested two years in four, and not grazed. During the first six contradiction to the opinion before stated, that a proper proportion of calcareous earth will make all wheat, the other half being so poor that even our overscers admitted that seed would there be thrown overscers admitted that seed would there be thrown overscers admitted that seed would there be thrown if Frederick is like Augusta and the adjoining countity, as in their richness. With a view to approximately the proper proportion of the whole was caused by excess of rock, &c.) I would gladly be informed of it can be broken down fine enough without heat. Limestone gravel is used to great profit in Ireland, and perhaps may be found in our limestone country; and from my own limited observation, I know that substitutes for it may be obtained in various places, if they should be found to suit as well in their quantities. pear from the table. Even the highest rate of product above stated, may be thought contemptible by a farmer on your fine wheat lands; but through our poor and sandy country, the average does not exceed 5 bushels for the land actually put under careous by so distant a substratum, then the whole limestone in colour, but more like slate in softness, wheat, and it would not be 3, if all the corn land tide water district would be so, as a body of fossil and easily broken into thin layers, and what is exwas sowed. Yet the time will arrive, when by shells lies under the whole extent, and generally used to the eye might be pounded to gravel withmeans of our calcareous manures, this now barren remuch nearer the surface. Much of this land apmuch nearer the surface. Much of this land appeared to me very poor, and I think would be as midway between Waynesborough and Staunton, contained 46.100 of calcareous earth; another, tagion, will shew helds the most highly implored above their natural state, and more profitable farming, than any portion of Virginia.

You ask, "to what crops, or in what mode, is hime ken near Lexington, on the road to the Natural My fossil shells Bridge, contained 80.100. The stone which covers a considerable portion of the arsenal lot has 84.100, arises from the supposed similar constitution of soil product in as \$4.100, and manure. I have not much personal knowledge sod before ploughing, and corn, or some other horseand manure. I have not index personal knowledge sold crop, first raised, to mix the manure well with as to be considered of no value for common purpo-as you describe yours, "originally rich," and have the soil. But when convenient, I prefer laying it sees, and can be quarried and broken down with a that the value of lime as a manure will be lessened in buried too deep is avoided. Caustie lime is usual-proportion to the natural supply; that sometimes it ly applied to the surface of ploughed land, and bles to small ravel after a few weeks' exposure to proportion to the natural supply; that sometimes it ly applied to the sufficient proportion to the natural supply; that sometimes it ly applied to the sufficient proportion to the natural supply; that sometimes it ly applied to the sufficient proportion to the natural supply; that sometimes it ly applied to the sufficient proportion to the natural supply; that sometimes it ly applied to the sufficient proportion to the natural supply; that sometimes it ly applied to the sufficient proportion to the natural supply; that sometimes it ly applied to the sufficient proportion to the natural supply; that sometimes it ly applied to the sufficient proportion to the natural supply; that sometimes it ly applied to the sufficient proportion to the natural supply; that sometimes it ly applied to the sufficient proportion to the natural supply; that sometimes it ly applied to the sufficient proportion to the suffic may be useless of even fighting, (as which mo case cyclent that this mode of covering must convert the to pay the expesse of blasting, but would be worth can it be as beneficial as on our pine and whortle-quick to mild lime, before its solvent powers can using, if already exposed to the air. These speciberry lands, which are entirely destitute of calcarreach the more deeply buried vegetable matter. ach the more deeply buried vegetable matter.

Until I began on cotton this year, I have made no some judgment hat been exercised, it would require But it does not follow that lime may not be advantageously applied to most limestone soils, though to what extent and profit, experience can only shew; for it is a remarkable fact, that but few of those in this state contain any portion of calcareous earth, (carbotate of lime,) though they are evidently affected by the limestone with which they are mixed, or in contact with To the question, what has become of the ealcareous earth which the soil must have derived from the rock? I answer, that it still remains in the soil in another forms the lime being compact of the greater weight of evidence is its quantity will go, it must be a very chean as wellin the soil in another form: the lime being combined with the acid furnished by the decomposing tested with the acid furnished by the decomposing to the soil in another, which being abundant cnough to the soil in the soil in another form: The acidity of our soils, I as rich manure. In these rest I should expect to think, will serve to account for the general want of the resources for the improvement of land; but at take up all the lime supplied by nature, shews that effect from gypsum, and the supposed change of remove might be beneficially applied. I cultivate sults after first applying lime; but it would be premoved that the very decriptions given, most more than 100 acres of land, naturally containing mature to offer the explanation of a fact which,

fore 100 bushels of hurnt lime, may be expected to indiscriminate hospitality. I had received posses-exert as much power on the first crop, as 200 bush-sion of a small piece of exhausted land and a few intended as the most promising. I had prepared els in a coarser state; and it may be admitted further, moisture and frost, which are commonly supposed Town, when some few of the slaves were recoverthe only agents for producing this effect. But ed—and here you will pardon a digression. During subsequent harrowing will leave a shallow tilth for completely dissolve all of moderate size in a few years. Such at least, is the invariable effect found, when a once acid soil is ploughed up for the second and, vice versa! rotation, after applying the fossil shells, unless they were of the largest or hardest kinds, or the dressing unnecessarily heavy. Another fact will prove that and better quality; both pieces in equal tilth! and this solvent action is peculiar to such soils as I have called acid. On our river lands, spots may be seen whitened with thin bits of muscle shells, which seed-wheat. Deeming it improper to impose on have been exposed at or near the surface for thousands of years, and to the action of the plough for the last century; yet muscle shells, which on those places appear so indestructible, are tunner, some and, from the animal matter they contain, more easy to crumble than the fossil sea shells which are used for manure. The acidity, or something equivalent corn deep. My mode was to place the crop in four-head in America. Bakewell, it is feet order—never in drills. The intersection of the improvements in the area well, it is to be for manure. The acidity, or something equivalent for manure and sciences. It was my early practice to plant head in America. Bakewell, it is feet order—never in drills. The intersection of the improvements in the area well, it is to be for manure. ferent effects produced. Yours, &c.

E. RUFFIN. [Winchester Rep.]

ON WHEAT, CORN AND COTTON.

Williamsburg, Va., 1st May, 1826.

It is but recently that I have become acquainted subject of farming, more than politics, after the ac- ing, cleared away weeds, grass, &c. After which, complishment of our national independence, engagethe same plough, by reversing its effect, laid the ciety for promoting Agriculture, held at the hall of the Massachusetts Bank, on Wednesday, the 14th In common with the young men of those days, I had out farther occasion for the hoe. By this mode, it to lament very much the defect of education. Nor will be perceived, that there was no hill raised, (as is did the peculiar disorder of the times afford the now the ruinous practice in lower Virginia,) as was means. I had casually read scraps of Duhamel and then practised by one of my neighbours on a stiff Tull, more particularly on lucerne; Hart's Husban-clay. From this error he was cured by a tremendry, and several British publications; the only books, dous gust, which, in the most luxuriant growth of almost, to be found among gentlemen of those times. his plants, broke them off; whilst mine were pros-These gentlemen, also, imported farmers and gar-trated, and rose again! deners; and in my boyish days, I had formed a taste plats, &c. it displayed its charms. I had also seen come contagious. Notwithstanding our wants durone gentleman turning up his furrows with four horses to a wheel-plough, a postillion on the "near" how to raise cotton, (upon the land before describploughing, good ploughs, &c. were never known before the Revolution, or, more particularly till since
the late war! The Blithe pleugh, or the swingplough, resembled very much the modern ploughs; might be disturbed, or when the plants were wet by for my operations after a short time, was made by as an axiom that, when wet, no lands should be not yet given quite all of Mr Knight's hypothesis;" John and Abraham Singer, of Philadelphia; to thus stirred. The maxim, moreover, "if a thing is worth and introduces him as saying: "No new life is I had a wheel attached, because on level land and doing at all, it is worth doing well," has never been here generated, and the graft, the layer, and the man for its government I embraced, with very with peculiar propriety. An attempt at a small crop age and debility of the plant of which they have distinguishable zeal, the mould board of our much of cotton last year, was completely frustrated by formed a part."—Here the Essex Register-writer esteemed and venerated Virginian; and had the the gust in June. I had then resolved upon the remarks, "It is only necessary to state this propomany confliction. This, however, like many other in genious theories, did not so well answer in practice. But it answered its purpose very well, after some the Talbot Farmer, confirmed too, in my method, method; and gooseberries, have been propagated in genious theories, did not so well answer in practice. But it answered its purpose very well, after some the Talbot Farmer, confirmed too, in my method, method; and we have the hypothesis required.

negroes, previous to the invasion of Lord Cornwal- two fields for the two crops, last fall and winter; that particles of lime stone, or shells, would for lis. These slaves all deserted, nor could prepara- and having since seen that Mr. Buel's land resemmany years defy the decomposing powers of air, tions be made for farming till after the fall of York bles my own, and influenced by his pertinent rehowever hard and insoluble these small fragments the descent of the British army from the upper to the cotton crop. I very much regret that I had not may seem, I believe a soil that requires lime, will the lower country on James river, a trait of the ne-known the Talbot Farmer early in March last; my gro slave character occurred: those masters who corn-land was at that time ready, and his doctrines were notorious for cruelty, lost none of their slaves; should have received the profound respect of

Among my first essays, a given quantity of poorer land actually produced more than a greater quantity this fact was ascertained to have resulted from a SIR, more accurate distribution, and greater quantity of you farther details as to the wheat crop, I will pass single furrows afforded the deep deposit for the seed, which, when carefully covered, left it "never less" than two inches deep. But the Talbot Farmer has given me great satisfaction, by his reason for planting "late in March or early in April." My plan left two stalks in the hill or check, generally, and left two stalks in the hill or check, generally; and left when yell manufed there and constitute the medical to you have a great improver of Leicester sheep, which obtained, the name of New Leicesters from his improvement. His farm was called Dishley—thus his sheep were sometimes called Dishley after it, and sometimes Bakewell after him.

If the sheep advertised, and for which reference is to be made to you have a great improver of Leicester sheep, which obtained, the name of New Leicesters from his improvement. His farm than two inches deep. But the Talbot Farmer has given me great satisfaction, by his reason for planting "late in March or early in April." My plan left two stalks in the hill or check, generally, and when well manured, three, and sometimes four. The several operations were thus: as soon as the plants were sufficiently up and thinned, a small with the "American Farmer;" and no one delights plough with mould board turned the furrow from more in his correspondences than I do, so far as I the plants both ways; the cross operation was alam able to see the end and aim of his labours. The ways regarded as necessary; the hoes now followfrom its being my only source of comfortable support, cording to circumstances, finished the culture with-

In recommencing my agricultural labours, about for the scythe, as from its dexterous use on grass 12 months ago, I found the cotton-mania had beleading horse, under the superintendence of an ed, in 1781, an immense crop of this plant had been English farmer! I could detail many such facts, to raised,) I have perused a vast number of communithe instruction and amusement of certain modern cations upon the subject, and conversed with many. illuminati, whose vanity goes to the belief that good Nevertheless I can discover nothing very important and these, with some little modification, were what rain, or the ground not sufficiently dry. This latter I commenced my eareer with. The plough adopted secret I should not have required, because I hold it a free soil, I found that a youth was fully equal to a disregarded; and to the cotton crop, may apply cutting, appear to possess the youth and vigor, or honour of making, I believe, the first attempt to its modus operandi; and in spite of new notions, finding sition for its own refutation; for mulberries, cur-

tainly the most minute division is best, and there- and a free indulgence of the Old Dominion spirit of order corresponds, to a small fraction, with the Tal-

NEW NAMES FOR OLD THINGS.

Virginia, June, 1826.

In the last Farmer, No. 13, sheep "of the Improv ED BAKEWELL AND Dishley breed" are offered for sale, and of these animals it is said "the mutton is on to Indian corn. "A Talbot Farmer," in No. 5, very fine and pretty large, but not so large as the vol. 8, on "planting corn," awakens some interest on Dishley alone," which is considered an improvement

If there be such a breed as the "improved" Bakewell, it is to be found by that name only I appre-

Bakewell, it is well known, was the great improv-

is to be made to you, be a new family, called improved Bakewell and Dishley, it would be well to trace its origin.

MASSACHUSETTS AGRICULTURAL SO-CIETY.

the Massachusetts Bank, on Wednesday, the 14th inst., the following gentlemen were chosen officers of the Society for the year ensuing:

Hon. John Lowell, President. His hon. Tho's L. Winthrop, Vice President. Hon. Israel Thorndike, 2d Vice President. JOHN PRINCE, Esq. Treasurer. Hon. RICHARD SULLIVAN, Cor. Secretary. GORHAM PARSONS, Esq. Record's Secretary. BENJAMIN GUILD, Esq. Assist. Rec. Secretary.

Aaron Dexter, Esq. Hon. Peter C. Brooks, Hon. William Prescott, Trustees. Hon. John Welles, E. Hersey Derby, Esq. Jonathan Amory, Esq.

HORTICULTURE.

[FROM THE NEW-ENGLAND FARMER.] ON THE DURABILATY OF FRUITS.

Concluded from page 95.)

The Essex Register-writer proceeds, "We have practical modifications.

The termination of the campaign of 1781, requirplanting is, both corn and cotton, to check off the some more rational avocations than fox-hunting, ground 3½ feet by 3½ feet; and, by comparison, the have been propagated by cuttings and graftings, to all appearance ad infinitum.'

time, been propagated by seed, and by that means posely sown, or which had fallen from ripe fruits. been renewed; or that other varieties of the same not been obtained to supply the places of such as were worn out with age. But of this essential rehave been subjects of cultivation, have sprung from on their failures from age, valuable kinds, springing from seeds of young and healthy stocks, have supplied their places. In every part of our own country, some new varieties of apples, in high estimation, have appeared, manifestly springing from seeds; for they are not traced to any other source. Among these, may be mentioned, the Newton pippin, first discovered in a single tree in Newton, on Long Island;—the Spitzenburgh, formerly called the Esopus Spitzenburgh, where it was said to have originated. These two varieties, growing in the state of New York, were, I well remember, in war; but the latter, and another excellent appre former communication, I mentioned the pearmain, once so celebrated, and 50 or 60 years ago, deci-Baldwin is now, as having run out; and in confirmation of my own statement of its being unproducvalue, except as wood for fuel.

ties of apples have appeared, which evidently sprung changed their climate; for he had before observed. nal owner, on whose hill it was discovered -Look into any American catalogue of apple trees, and there will be seen a variety of apples, whose whose good qualities have recommended their cultivation. Hence we need not repine at the extinction of old favourites, seeing others as good, or better, may be obtained from seeds, in all future time.

ever since the time of the Romans; and who ever practice of propagating mulberries, gooseberries observed that they suddenly every where decayed? and currants, being by cuttings, that therefore, they currants and gooseberries are not long lived plants, may be so continued, and in perfection, forever, the world for their practical knowledge in the cultiand yet we go on propagating them from cuttings Forsyth remarks, that these three fruits are propaall appearance ad infinitum."

gated by seeds or cuttings. In my first communicaford informed him, that he had lately seen a tree

These remarks of the Essex Register-writer, are tion to you on this subject, I mentioned the improve[one tree! and this not a golden pippin, but only] made with an air of triumph, for an imaginary victory, over a man of an enlightened mind, an assiduous student of nature, an eminent philosopher, in England from the seeds. And from the estimatory against a wall, in a south aspect, which was in a siduous student of nature, an eminent philosopher, in England from the seeds. And from the estimatory condition, and the limit in a perfect state." and of larger and longer experience in the subject tion in which these varieties are held, it is probable But, this, again, if a genuine golden pippin, merely under discussion, than probably any man naw living! that few of the old sorts remain. The same pro-But to be entitled to a real triumph, the Essex cess with currants, has doubtless produced the Mr. Phillips' third proof: "Mr. Lee, of Hammer-Register-writer is wanting in one important fact. large red and white Dutch currants, which a few smith, who showed me five hundred various kinds Trees, shrubs, bushes, and the vine bearing fruits, years since were introduced from England, and of apples, was decidedly of opinion that the apparent have doubtless been propagated by cuttings and which are so vastly superior to those before in the decay of some trees, was owing to the unfavourable graftings, from the time of the Romans, and proba-graftings, from the time of the Romans, and proba-bly for a period long anterior to them. But to avail plants raised from the seed, in order to obtain some "unfavourable springs" caused the decay in queshimself of this fact as an argument against Mr. fine varieties. And there can be no reasonable tion, why did they not produce the same effect on Knight's theory, the Essex Register-writer should doubt, but that in all ages, fruit bearing trees, and all his 500 varieties, as well as on some —(meaning show that the same plants had never, in all that plants of all kinds, have been raised from seeds pur- the old fruits) whose decay had for years been ap-

species of fruits, of equal or superior qualities, had tion, affects to sneer at Mr. Knight, and at all who wished still to find a market for their golden pippin adopt and support his theory. But either he does trees, and other old fruits. were worn out with age. But of this essential requisite neither he nor any other person can produce it, and mistates his facts. It was in this third piece, any proof. On the contrary, it is most probable, that in all ages, fruits, in all the varieties which that in all ages, fruits, in all the varieties which stroy all credit in so strange a notion as Mr Knight seeds; and have endured, according to their several has advanced."-I have looked for these overwhelm- mas Harrison, Esq who resided several years in native constitutions, different lengths of time; and ing proofs-but do not find them. His first au- Madeira, that there are at this time, a considerable thority is that of a "Mr. Henry Phillips," who number of the true golden pippin trees, growing on having F. H. S. added to his name, may be a fellow the mountains of Madeira, about fourteen miles of the Horticultural Society of London, of which from the capital of that island, which regularly pro-Mr. Knight is the president. The first quotation duce abundance of fruit." He adds, that grafts from Phillips, is as follows: "For some years past, it sent to England about three years before he wrote has been stated by several ingenious writers, that his book produced fruit the second year, "and many of our best varieties of apples, could no longer proved to be the original golden pippin."—He says be cultivated with success; that by length of time further-"These trees are also in a thriving state in they have become degenerated, and worn out. Mr. several parts of America, as has been shown by the Knight the president of the Horticultural Society, excellent quality of fruit lately sent to this country" seems to have been the first who gave birth to this [England.] He also observed them in several parts mea." So it appears that Mr Knight does not stand of England in the summer of 1821, in as healthy a great perfection, in the time of the revolutionary alone, in maintaining his theory. And to overthrow state as most other apple trees.—But all these, like it, Phillips says-"flaving observed in Covent the two cases he specified, were, doubtless, trained called the swaar, are now stated by a writer in the Garden market, in 1819, a great quantity of the against south walls. I have no reason to believe, New England Farmer, of the 17th of March, under real golden pippin, in a perfect state, the author that any golden pippins were ever sent from America the signature of Rusticus, (who I am assured is was induced to make particular inquiries respecting to England. I never heard the name mentioned Jesse Buel, Esq. of Albany, a distinguished agri culturalist) as "having evidently passed their prime, from all quarters, that these trees are fast recovering and the fruit and wood, propagated by buds and from a disease or canker, which appears to trave grafts, are more diseased than formerly" In my been brought on by a succession of unpropitious seasons; but that the summers of 1818, and the following year, have greatly improved them." A nodedly our best apple, much superior to what the table proof this of the falseness of Knight's theory, a theory founded on facts, the result of many years of careful observation, and of numerous experiments tive, gave the information received from a farmer in made with distinguished skill, by an eminent natu Danvers. I have since seen his son who inherits ralist, agriculturalist, and horticulturalist, anxiously the same farm; and he says the same pearmain trying every method which ingenuity could devise, trees continue unproductive, and are really of no to discover the means of renewing and continuing genuine Newton pippin: for I have seen some variethe old celebrated apple trees, in a productive state; In Massachusetts several new and valuable varie- but in which he totally failed: excepting when he from seeds. The Baldwin or wondpecker apple is "that [not the golden pippin only, but] all the old which are to overwhelmMr Knight, and the sevone of them. In Wenham is an excellent fall apple, large, rich, and a constant bearer. I have seen a south wall." But Mr. Knight's great object, in him. With regard to the Madeira golden pippin, it no where else. It goes there by the name of his experiments, was, not to provide the luxury of if really of the same quality with that of England, Killiam hill, from the name I suppose, of the origi- the fruits for the wealthy, but standard trees for the it does not follow that it was the original golden farmer's orchard; and here he found all his patient pippin, carried from the latter country to Madeira, Probably there are few large farms in the state, in labours were fruitless. Mr Knight's established (for England claims to be the native country of the which new and valuable varieties may not be found. character is enough to repel the hearsay evidence golden pippin:) on the contrary, it is, probably, Look into any American catalogue of apple trees, of Mr. Phillips, with his news "from all quarters," like the one tree mentioned by Ronalds, "of the And "the real golden pippins" which he saw in Co- golden pippin kind"-so much like the old golden local names indicate their American origin, and vent Garden market, were probably raised against pippin as to receive the same name; although it south walls—the very position in which Mr. Knight says he also succeeded.*

Mr. Phillips' next proof is this. "He waited on some gentlemen who are well known in all parts of vation of apples. Mr. Hugh Ronalds, Jun. of Brent-

parent? Besides, this is merely the opinion of Lee, The Essex Register-writer, in his third publica- a nurseryman who with his brethren of the craft,

Phillips' fifth proof. "We are informed by Thoamong farmers in the middle or northern states. I much doubt whether there are twenty golden pippin trees in the United States; except in the gardens, or well sheltered groun is, of a few gentlemen, who spare no expence in the cultivation of fruits. Besides, the few specimens of golden pippins which I have tasted, were all sub acid: whereas, Forsyth, describing the true English golden pi pin, says, "its juice is very sweet." Excellent apples have indeed been sent from America to England-particularly the Newton pippin; which in my estimation, has no equal in the United States. That is, the ties called by that name, which had no claim to superiority.

Such are the proofs furnished by Mr. Phillips,

that cause their high prices. In he same Covent Garden market, there are apples, whose average prices, from November to March, are from thirty to forty-eight * it is the expensive modes of raising fruits in the cool shillings sterling (from six to ten dollars) a bushel. The Essex Register-writer thinks the common climate of England, to please the palates of the wealthy This is stated in Loudon's Encyclopedia of Gardening.

the same name.

trine in question, Mr. Coxe says-"Writers of the pippin"-when young trees are grafted with it; seed; as is the practice of gardeners with currants highest reputation concur in the opinion, that the and that "it is entirely owing to the canker;" and and gooseberries. It is to the vain attempt to perexistence of every variety is limited to a certain peMr. Knight says it is their most fatal disease. And riod; no kind of apple now cultivated, is supposed what is this nurseryman's remedy? "Keep the and their branches worn out by age and bearing, to be more than 200 years old. This term does not body of the tree sound, and you may depend on that Mr. Knight's doctrine applies. And it is by exceed the age of a healthy tree. The stire apple your golden pippins flourishing as well as ever." of Hereford in England, is supposed to have long As if he had said-keep your tree from sickness years bearing, that the English gardeners are able passed the zenith of its perfection, and to be rapidly and decay, and it will not be sick nor decay. declining there; yet in the growth and vigour of at But Mr. Bliss says the decay of their apple trees least one hundred trees, planted in my orchards, in England, is owing to bad management; and afthere appears to be no deficiency: on the contrary, ter him, the Essex Register-writer says the same they attract the notice of all who see them, for the extraordinary luxuriance, as well as the beauty of about them, &c. &c. But was the management bet their growth. The soil is a light but rich sandy ter fifty and a hondred years ago, when the good loam, such as the English writers describe as best old fruit flourished, than since the establishment of adapted to the cultivation of this apple."

correct; but it is not adverse to Mr. Knight's the-every department of the farmer and gardener?ory Apple trees which in Herefordshire in Eng-land, in 52 degrees of latitude, were approaching abounded in the cider counties in England—not the state of decrepitude from old age, and could of the far famed favourite sorts of old times-for no longer be cultivated in their orehards with suctley were "run or fast running out"-but of the warm sandy loam of Mr. Coxe's farm, (such as he find casks enough to hold the liquor. Yet, says describes it, and such as it appeared to me when I Marshall, who wrote what he beheld, "It is no un formerly walked with him in his orchards,) there common sight, to see trees in this district [Hereford enjoying the "glorious hot sun" of the fortieth shire,] with two or three tiers of boughs pressing degree of latitude. The change must be equiva-down hard one upon another; with their twigs so lent to the removal of the same fruit trees from the intimately interwoven, that even when the leaves open orchards of Herefordshire, to the south wall are off, a small bird can scarcely creep in among of Mr. Knight's garden in the neighbourhood. The them." Nevertheless, Marshall says—"It would insular situation of England, excupts it from the severe frosts of our winter; but the want of the trees, this year [1789] had to bear. Notwithstandheat of our summer suns, obliges them to resort, ing the trees were as full of wood as neglect could at vast expense, to artificial means to ripen deligible them, every twig, within and without, was load-cate fruits. Peaches and nectarines, for instance, ed with fruit. Of trees of luxuriant growth, the besides raising them against a south wall, (thus most upright shoots, even to the summit, were renfacing the sun at noon day,) they find it necessary, dered pendent with the weight of their produce, about the time the fruit is ripened, to "thin away banging down on every side like strings of onions; days, and of as many centuries." the leaves;" clipping off, at first, the half of each the fruit appearing to the distant eye, to cover the leaf with seissors, and about a fortnight afterwards, entire surface of the tree." the other half, to let the sun shine upon the limbs and buds; without which the fruit buds would than many readers, perhaps, may think necessary; not be so matured as to be productive the year but the captious remarks of the Essex Registerfollowing." * Every New England farmer will writer, were uttered with such imposing confidence, Indian eorn But their winters are so mild, as to season, in spring, summer, and autumn,-usually bring their small grains, wheat, rye, barley and oats to maturity; and from their superior culture, in abundant crops, much surpassing the general products of the same grains in the United States.

The last witness produced by the Essex Registerwriter, is a Mr. George Bliss, who, having had tens of thousands continually under his care, professes to be thoroughly acquainted with the constitution of the apple tree. "He is confident that it is nothing but bad management and ill treatment, which is the cause of the general decay of their apple trees (in England,) and principally from want of proper attention to the canker." And he says—"this is quite evident, from all the new sorts becoming affected by it as well as the golden pippin."-This Mr. Bliss.

may be a new fruit sprung from a seed. And among from the vast number of trees under his care, must to the raspberry. The shoot of this year from the infinite number of varieties of apples growing be a nurseryman, and like his brethren of the same the root bear fruit the next,-and then absolutely from the seeds, it would be extraordinary if no two craft, interested to make their countrymen believe die. Yet the original root and the young shoots

agricultural societies all over England, and the This statement by Mr. Coxe I have no doubt is general spirit of improvement has been pervading

I have already said much more on this subject understand the nature of the English climate, when that a full examination of them appeared to be exinformed that the sun's heat is not sufficient to ripen pedient.—This writer fancies that the common mode of propagating gooseberries and currants by every winter month. And the 'long, though coul as decisive proof that Mr. Knight's theory is unand shadowy summers of England,"—the growing founded. But besides that, to give any force to this (which is not only improbable, but impossible) that of digestion those plants have never been propagated by seedevery person who has seen a currant or a gooseberannually sending up from their roots new shoots nutritious matter, but is difficult of digestion:(according to Mr. Knight's doctrine of the longewhen made of entire milk it forms a still more not vity of roots) to supply the places of their predecesand the latter should be cut away, to make room

should so far resemble each other, as to be called by in the practicability of continuing in a productive from its running branches, will continue the plant, state, the old favourite fruits, which they continue perhaps for a century. It may nevertheless be ex-The next proof is taken from Mr. Coxe's book on in their nurseries. He however admits, just what pedient, whether to continue the plant in existence, fruit trees, printed in 1817. Referring to the doc- Mr. Knight asserts, "the early decay of the golden or to obtain superior fruit, to raise new plants from the to present good fruits to their employers. No one would commit the folly of attempting to propagate the raspberry, by setting in the ground the shoot which had once borne fruit; and it must be comparatively foolish, to expect to continue forever the varieties of the apple and pear from grafts and their branches, not indeed absolutely dead, like the raspherry, but in a state of decrepitude, tending to dissolution, and incapable, in the meantime, of produeing any fruit, or but a little, and that of an ordinary kind.

Mr. Knight's doctrine was founded on facts, and could not therefore be overthrown. The individual instances mentioned in opposition, are only exceptions to the general principle, and correspond with cess, might live and thrive for a number of years, other varieties sprung from seeds; which once in this own admission and actual experiments. He had when transferred to Burlington, in New Jersey, two or three years, when there was a "hit," so even anticipated the case of Mr. Coxe's stire apple; twelve degrees further south, and planted in the loaded the trees that the farmers with difficulty could when he says—"It appears also probable that the latter period of the existence of the apple tree would be considerably prolonged in a southern climate." have eaten very fine Newton pippins which grew in Maryland near the bank of the Potomack; and I have supposed that they, with other apples originating in the north, might continue to flourish in Maryland, Virginia, and the hilly parts of the Carolinas, long after the originals had perished in their native climates. At the same time, I have not imagined, that in the most genial climes they would last for-ever; adopting the sentiment so elegantly expressed by Mr. Knight, that "Vegetable, like animal life, in individuals, appears to have its limits fixed by nature; and that immortality has alike been denied to the oak and to the mushroom-to the being of a few

T. PICKERING.

LADIES' DEPARTMENT.

NUTRITION—FOOD.

(Continued from page 100.)

An essential difference has place in the qualities of curd when it results from the milk's spontaneous admit of their ploughing their fields, at times, in cuttings for ages, even from the time of the Romans, separation, and when produced by the action of congulating substances From its possessing slight ascendancy, the former kind may be regarded as as an argument, it behooves the writer to prove conducing in some degree to facilitate the progress

Curd is made, as every person knows, by a great diversity of modes, into cheese:-that prepared from ry bush, knows that they continue themselves by milk previously deprived of its cream, contains very when made of entire milk it forms a still more nourishing substance:—cheese made of pure milk with sors, debilitated by the bearing of a few years: a portion of other milk added to it, has its nutritive qualities thereby increased, and is made easy of for the former. And this suggests a reason for suf-digestion by the oily particles interposed between fering them to grow in bushes, instead of training its parts, rendering their adhesion less firm:—and them with single stems, as trees. Advert, farther, that, whose curd has been taken from cream alone, s in all respects preferable to the other kinds. When much of its oily substance is dissipated by toasting, it is made to an equal extent, less easy of digestion.-Curd retaining a portion of its whey may *Treatise on the Culture and Management of Fruit Trees, by Charles Harrison, F. H. S. a new work, printleft. In Herefordshire, the soil of orchards was generally under tillage.

^{*} Marshall, in 1788, said, that in Gloucestershire, the soil of orchards was generally in grass: and that the farmers, in planting their trees, carefully replaced the

cream, or from milk in an entire state before its This kind of butter forms a chief ingredient in the cream has been spontaneously disengaged. When Rocheford cheese, which is held in high estimation thoroughly kneaded and washed, it has sometimes for its excellence. a white, generally a faint yellow tinge, which is often deepened by artificial colourings. It obtains than that of the sheep:—it is, at all seasons, white great modifications, in its consistence, taste, flavour, as suet and remarkably firm;—yet, notwithstanding and appearance, from the manner of preparing it this whiteness, it does not include any cheesy partiin different countries, from the seasons, the breed cle; -a circumstance which may be ascertained, by Instructions for Training-by Chas. Duvall, of cows yielding the milk, and from the substances reducing a portion of it to a fluid state.

Cow's milk, however agreeable to t however, which it presents, - and these are appre-

to be, -a fatty substance, a peculiar fluid oil com- easily be ascertained by dipping into new drawn bined with varying proportions of butyric acid, milk, a piece of litmus or blotting paper, which inabout a sixth part of whey, and a minute trace of stantly has its purple more or less brightened into colouring matter, whose exact nature has not yet scarlet colour. What produces this change is, by been ascertained. Although this whey be always some, considered as a minute proportion of the accwhitish, it includes a very small proportion only of tous, by others, of the oxalic acid. curd:--its milky appearance scems to depend on a kind of emulsion formed by its combination with the between 50 and 55° of Fahrenheit's thermometer, fluid oil of the butter. Butyric acid, which exists in whey even after it has undergone distillation, enters in considerable proportion into the composition of butter. Neither this substance, however, nor the fluid oil it comprises, is particularly acid; milk.

in whom milk itself occasions prejudicial effects. Like almost all the other fatty substances, it has been regarded as having a tendency to determine an excess of the biliary secretion. In many parts of the world, however, the inhabitants subsist chiefly on butter: nevertheless these people are not peculiarly exposed to suffer from bilious complaints:many persons in our own country, also, take it habitually and freely, without experiencing any inconvenience from its effects. It is, therefore, probable that butter does not increase the quantity of bile, but rather requires an intermixture of this fluid, for the purpose of promoting its being assimilated by

the digestive organs.

This view of the properties of butter receives confirmation from experience:-butter, therefore, is contra-indicated in diseases of the liver, wherein the secretion of bile is defective or altogether suspended; because, for want of bile, the butter becomes absolutely indigestible. Convalescents, in like manner, should abstain from using it; and, also, children predisposed to obstructions of the lymphatic circulation. In them, it tends to produce inactivity aggravated by giving butter a place in their diet. Respectively, however, to all these circumstances, it is essentially necessary that distinction be made renders them more nourishing:—but, if it has become a three eroth, and anowed to stand to render them more nourishing:—but, if it has become twenty-four hours, when the liquor is well beaten with meats, it is then deprived of nearly all its nutricious qualities, and proves injurious to those individuals

though much less employed, has nevertheless many properties analogous to that of the cow. Sheep's spirit is sometimes extracted from it by distillation. properties analogous to that of the cow. Sheep's milk yields it in considerable quantity:—it has a pale yellow colour, is moderately firm, melts easily

Butter is obtained, by a well known process, from and frequent washings, it soon becomes rancid.-

Milk of goats yields, in proportion, more butter

Cow's milk, however agreeable to the taste, has very often a slight degree of acidity, even at the very time it issues from the teat. This circumciable by the senses only.—it always exhibits, when very time it issues from the teat. This circumstance has place, although the animal be quite Chemists describe the constituent parts of butter healthy and feed on salubrious herbage:-it may

When eow's milk stands at rest, in a temperature it separates sooner or later into three parts,-the cream on its surface,--the cheesy substance which serum or whey whereon floats a kind of clot formed out of the cream and curd. If it be placed in a ces even in vessels accurately closed and full to their corks, and also in vases replete with carbonic acid gas; -- and, it may be retarded for several months by bringing the milk every day to a moderate heat.

If milk be left unagitated for some time after its first natural separation into three parts, the cream acquires a darker colour, becomes sour, gets covered with mouldiness, grows bitter, blackens, and putrefies:-the whey, in which the cheesy matter is

* Koumiss, the favourite beverage of the Tartars, is a fermented or vinous liquor, prepared from the milk a stick, for the purpose of mixing its thicker and thinner parts which have separated:-it is now placed, for in whom the powers of digestion are constitutionally or morbidly feeble.

Butter made from milk of sheep and goats, al. a close vessel and cold situation; but must be well

SPORTING OLIO.



GIVEN IN OCT. 1797.

[We are resolved to persevere until some of the obstructions are removed which have heretofore prevented the farmers of Maryland from paying greater attention to the qualities of the horses bred by themselves—and more especially to the propagation of the blooded horse. One difficulty which has stood in the way of the preference which should ever be given to horses of high blood, has consisted in the ignorance of the art of training; and an impression that to prepare a horse to test his powers by trial on the turf, involved some great mystery, known only to the initiated, requiring as much study and expense as for a learned profession. As the most obvious means of imparting plain instruccoagulates underneath the preceding, -- and the tion on this point, we have obtained for publication the following transcript of rules furnished and followed by the late Charles Duvall, well known on the but they contain all the elements of the butyric, which temperature either too high or too elevated, the turf as a skilful trainer and honourable sportsman. forms as readily in them as the acetic acid does in formation and spontaneous separation of the cream It is the only system we could procure; and if exis thereby proportionably injured. Contact with perience of subsequent date has detected any errors Butter forms a very nutritive article of food, and the external air does not appear to be necessary to in the plan pursued at that time, we shall be much may sometimes be advantageously used by persons, the milk giving out its cream—this process advan-obliged to any gentleman who will point them out, with any improvement in the art of training adopted since that period.—Edit. Am. FARM.]

Let the horse be in good flesh when you put him up; night and murning walk him four miles, well clothed with one blanket and a suit of horse clothes, for eight days; water him between the walking with forty swallows; feed him at 9 in the morning, at 12 o'clock, at 6 in the evening, and at 9 at night, with three quarts of oats and chopped corn, one-fifth floating, acquires an acid taste:-last of all, the chopped corn, giving him one bundle of blades after cheesy matter itself begins putrefying like the cream feeding in the morning, at 12 o'clock, and at 6 and gives origin to a new acid, analogous to that o'clock; after feeding at 9 at night, give him two which accompanies the spontaneous decomposition bundles of blades. Let him be well rubbed before of all animal substances. On the other hand, it each feed, with straw as to his body, and his legs milk be prevented by frequent agitation from pass- with woollen rubbers; let him have a good bed of ing into these changes, it undergoes a vinuus straw; let his fect and legs, night and morning, befermentation* and a liquor is thereby produced in fore you take him in, be washed with warm water about twenty days, having a slight degree of acid, and Castile soap—then for eight days more, in the and yielding alcoholic spirit by distillation.—Butter- morning, gallop two miles before watering, and one milk, when recently made from uncreamed milk, is mile after, and in the evening one mile before waknown to comprehend properties almost identical tering and one mile after; clothing and rubbing with those of fresh milk from which the cream has before each feed, as before. After that prepare been separated:—it is, therefore, applicable to simi- him for sweating, by feeding with two quarts at 6 and torpidness of the bowels, with which an injurious lar uses, and may contribute, with nearly the same looseness frequently alternates. Persons, too, who are afflicted with paroxysms of heart burn, have it well rubbed, and have a good bed of straw, always keeping his feet stuffed with cow dung. Let your turf be kept well harrowed and soft. At day-break it is essentially necessary that distinction be made between the different states of that substance. When fresh, or recently salted, it furnishes much nutritive matter; and, in general, is very easy of digestion. If melted with a gentle heat and poured on vegetables, it promotes their digestibility, and renders them more nourishing—but, if it has become a thick cloth, and allowed to stand in a warm place for twenty-four hours, when the liquor is well beaten with his page of that substance, the substance, the substance, the substance, the substance of the substance, and promote its chemical changes by fre-five blankets, and his body clothes; let him go four miles, the first three half speed, the fourth mile at a sweeping rate with a taught rein, and a rider discount of the sourcest milk of cows they can obtain, or a smaller portion of old koumiss:—the vessel is then covered with a taught rein, and a rider discount of the sourcest milk of cows they can obtain, or a smaller portion of old koumiss:—the vessel is then covered with a taught rein, and a rider discount of the sourcest milk of cows they can obtain, or a smaller portion of old koumiss:—the vessel is then covered with a taught rein, and a rider discount of the sourcest milk of cows they can obtain, or a smaller portion of old koumiss:—the vessel is then covered with a taught rein, and a rider discount of the sourcest milk of cows they can obtain, or a smaller portion of old koumiss:—the vessel is then covered with a taught rein, and a rider discount of the sourcest milk of cows they can obtain, or a smaller portion of old koumiss:—the vessel is then covered with a taught rein, and a rider discount of the sourcest milk of cows they can obtain, or a smaller portion of old koumiss:—the vessel is then covered with a sweeping rate with a taught rein, and a rider discount of the sourcest milk of cows they can obtain, or a smaller portion of old koumiss.—The vessel is then covered with a sweeping rate with a taught rein, and the field with a sweeping rate with a of mares. These wanderers make it in large quanti- take him to his training ground, with three, four or his usual clothes and walk him an hour; then take him to the stable; then scald a gallon of bran, add another twenty-four bours, in a high narrow vessel, and the beating repeated till the liquor has become quite homogeneous.—This liquor will keep, for some months, in and dressed; then scald two quarts of bran and two a close vessel and cold situation; but must be well quarts of oats, mix them, putting among them a quarts of oats, mix them, putting among them a table spoonful of the flour of sulphur and as much The Arabs make their liban, and the Turks their youart, in the same manner. When properly prepared, it may be left to stand till it becomes quite dry; and, in this blades and sprinkle them with salt and water, and either the same warm bran and water. antimony as will lay on a cent-and let the horse in the mouth, and leaves on the palate an oily im-state, it is preserved in bags, and dissolved in water pression. Unless it has been subjected to careful when required for the necessary purposes.

then feed as usual with three quarts at 12; at 4 in prove to be the "bison," and no buffalo, is totally occasioned by that neglect. the evening brush him, and let him walk an hour; dissimilar to the buffalo of the Cape of Good Mr. J. I. Hawkins, many years ago, made experithen water him with water aired, or branch water; Hope, for instance; indeed, it is much more a rements, by which he proved, that a candle does not then walk him a quarter of an hour, take him in semblance of the lion—and to one who has never burn away the faster, in consequence of being and have him well cleaned and rubbed; then feed at 6 and 9, with three quarts of grain; then muzzle male of the American bison, in his front only, and confirmed, by the following accurate experiments, him. In the morning after his sweat take him to on his "native prairies," would form no indifferent made by Mr. Babington. the ground and strip him as for a race; then run him two with which their "pas de charge" attitude never fails same mould, with wicks of twelve threads; these he miles more in a loose; then clean him and rub him to inspire the beholder. dry; clothe him and walk him till cool; then take him in, wash his feet and rub them dry, cleanir g him, rubbing him, stuffing his feet, and feeding as usual-so continue to gallop every night and morning as before directed, to wit: in the morning first gallop two miles, second gallop one mile; and in gallop two miles, second gallop one mile; and in productions! Indeed, under any circumstances, it the evening one mile each gallop; sweat every eight was better that at first they should import and make varied from 100 to 106 grains: those which had not days. Train your colts in martingales; bleed after use of the skill, experience, and products of their been snuffed, from 97 to 106 grains. It thus apthe first sweat, and, if necessary, after the second fathers. But as the same circumstances do not peared that the consumption of material, in a talsweat. Those are the rules I observe in training, now exist, and as the main link in the chain of "Eu- low candle snuffed at intervals of ten minutes, is CHARLES DUVALL.

From which, the rules observed by Mr. Thomas Larkin, of Virginia, varied in these particulars: he feeds in the morning with four quarts, at 12 with two quarts, and at night with foor quarts-same blades as Mr. Duvall. Morning, gallops 1st, two miles and a half; 2d, two miles. Evening, gallops, 1st, two miles; 2d, one mile and an half. Sweats five miles, and brushes his horse before he takes him in; after cleaning and rubbing, and drying him, two miles. He washes with cold water, except when he sweats his horse, and waters after the horse comes in and is clean, just before feeding, 40 swallows in morning and evening, and twelve swallows at 12 o'clock; mixes a spoonful of sulphur in the mash, after sweating, but no antimony; walks before galloping two miles; between the gallops, one mile.

Mr. Davall, in October, 1797, gave me the foregoing rules. Mr. Larkin trained for me two years. And as a sportsman, that all horses may run in the best order, and that their superiority of foot and bottom alone may entitle them to the palm, I with pleasure comply with your request, that through your inestimable paper, all excuses by gentlemen having fine horses, as to the mode of training them, may be removed-and the friends of the turf gratified with fine sport.

Yours, A Twig of the Turf. J. S. SEINNER, Esq.

A tribute to the Horse-John Wall's recipe.

Take half a pound of saltpetre, half a pound of alum, and half a pound of alum salt; pulverize and favour of this neglected native. The writer of this is occasionally done by sailing vessels. mix them well together-and every eight days give spirits will soon reward his master for his care.

MISCELLANEOUS.

WESTERN BUFFALO-OR, BISON.

(No. 1.)

MR. SKINNER. Rateigh, N. C., June 5, 1826.

Your attention, as any one will perceive by looking at some of the pages of the "American Farmer," has been called to the very interesting subject of domesticating this native, more particularly with a view of rendering him a beast for draught of burden. A correspondent of yours from the west, the gentleman of Nashville, who wrote us some essays on "barn plagues," alias rats, under the signature of Rusticus, has given you some short and descriptive views of this "lion looking animal of the west," more particularly as re garded plans for introducing him by means of cross-

and woollen rubbers; then leave him till 12 o'clock; es. This animal, Mr. Editor, which naturalists hence people submit to the very great loss of light,

It was hardly to be expected or supposed, Mr. Editor, that the colonists of this country would pester themselves to break and train the savage na tives of this western wild, when they found so indifferent a welcome in the first species of its native the combustion, the snuffing would cause. time that we should make every possible use of our difference of light produced. native and domestic resources.

Accounts of this American animal were long since transmitted* to France, and the "philosophical socie-ties and academies" there; more especially as regarded the "long pendulous and nappy wool" which forms so soft and plentiful a covering for the back of this from Philadelphia. A few years ago the fare from animal. And Governor Pownal, in particular re- New-York to Washington City was \$24-now, by commends very highly the soft hair as a substitute the steam boats and stages, it is only \$9. From this for "sheep's wool," saying, at the same time, what city to Buffalo, a distance of 450 miles, the fare is pleasant blankets the dressed skins make, and how reduced to \$12. [N. York pa.] pleasant blankets the dressed skins make, and how reduced to \$12. extensively the skins were used for that purpose.

more especially in Lower Louisiana.

Among a population who may he said (more especially the western parts of them,) to be "veomen, woodsmen and agriculturists;" men who may be said to draw in the very "milk of enterprize" from their mother's breast—I say, it is quite surpris-ing that among such men no measures have heen taken to domesticate this animal, (the buffalo,) who so plainly belongs to the same race with our domestic animals For the parts or subjects concerning the natural history of this animal, I refer to the essays of Rusticus, and his account of the attempt of Governor Millar to domesticate; and also I refer readers to "Nature and Art," the part which treats of the United States more parti- ted 5d.

It is believed that Dr. James Mease, of Philadelphia, has taken some pains in regard to this animal. would be glad to be informed, through the medium were ever sent to Europe. He wishes some enterprising patriot of the west, would forward a male burden. and semale on to France for Gen. Lafayette, who will take pains with them, more especially as they come from

P. S. The writer means to continue this subject; and hopes Mr. Sibley, of the west, Dr. Mease, and Rusticus, will also "shed ink and light" on this interesting occasion. Whilst the French owned Louisiana they were not inattentive to this animal, more especially the governors.

On the fallacy of the prevailing opinion, that a candle burns away the faster by being snuffed .- By Benjamin Babington, Esq., M P.

It is a commonly received opinion, that a candle, when regularly snuffed, burns away much faster

* From Louisiana.

burned one hour, in an apartment in which the air was unagitated, and at a temperature of 55°. He first performed the experiment by snulling them every ten minutes, and then without snuffing them at all; being desirous to ascertain what difference in

rope transplanted," (as Dr. Ramsay called the Uni- only 2.75 per cent, more than in a candle not snuffed; ted States,) is some time since broken, it is high a difference very inconsiderable, compared with the [Tech. Rep.

CHEAP TRAVELLING.

We observe, by an advertisement, that the proprietors of the Union Line, have reduced the fare to 2 dollars, by the steam-boat Emerald, to and

SCRAPS

From late English papers received at the office of the American Farmer.

The three first turnpikes that were ever established in England to collect tolls, was Wademill in Herts, Caxton in Cambridgeshire, and Stilton io Hunts These were erected in the reign of James II. and at that time gave so much discontent among the people, that many lives were sacrificed in the riotous attempts to put them down.

Meat in Holland is 2d. per pound, notwithstanding 16.000 cows perished by the inundation last year. The price of fresh butter is only 4d. per pound, pot-

The steam packet Enterprise, the first which has undertaken the voyage to India, arrived in Saugor Roads, Bengal, on the 8th of December, after a If so, all would he happy if he would communicate passage of 47 days from the Cape, having expend-them to the Editor of the Farmer—and we also ed all her coals. The whole voyage, therefore, has desire that Rusticus would again raise his voice in not been performed with greater expedition than

Was lately launched from the premises of Messrs. him a table spoonful in his food: his coat, flesh and of the American Farmer, if any of these animals Wallis and Co. Blackwall, the largest steam vessel ever built in England, being upwards of 700 tons

> The quantity of flax imported into Great-Britain in 1825, was 1,034,336 cwt. The quantity of flax and linseed imported was 2,480,822 hushels, The rapeseed imported was 488,687 bushels.

> ' It is stated in a morning paper, that the commitments to prison under the game laws alone, in this country, amount to more than three times the number of committals for any kind of criminal offence, in the whole kingdom of France.

> From the improvement in machinery, lace is so reduced in price, that the best hands in lace-making, who formerly earned 8s or 10s. can now earn no more than 2s. 6d. or 3s. a week.

According to a Parliamentary return, England and Wales contain 1,667 brewers, and 45,113 victhan when suffered to burn without snuffing; and tuallers; of the latter 22,598 brew their own beer. Scotland contains 237 brewers, and 5,625 victuallers, and of the latter only 249 brew their own beer.

THE FARMER.

BALTIMORE, FRIDAY, JUNE 23, 1826.

THE LATE CATTLE Show .- Remarks upon by the Editor, continued.

Here again it was the sound policy of the Trustees to promote improvements in the culture of the amount of those offered for domestic animals common staple objects of every Maryland farmer. They did not invite him to enter upon the culture of strange things of doubtful value; they offered their premiums to him, who, by the most judicious application of manure and the most skilful mode of culture, should make the most of that, of which almost every man does make more or less. They spread upon their table no less than \$204 worth of pieces of silver, for those who should excel in the productions of wheat, corn, rye, hay, tobacco, cotton, potatoes, carrots, mangel wurtzel, ruta baga; the proprietor of the best apple orchard, and for the most successful experiment in water-wretting, or otherwise preparing flax or hemp.

To gain these premiums, it was not requisite that the article should be exhibited, nor even a sample of it. The competitor himself was under no necessity to attend; he had only to send the certificates of his produce to the Corresponding Secretary of the Society—and, behold! of the seventeen premiums offered for crops, upon terms equally convenient for the farmer in the most distant corner of the state, as for one contiguous to the Show-there were but four of them bestowed. Does not this prove an almost universal indifference to the objects Postmasters undertake agencies for the benefit of of the Society, and such total want of emulation, nay, even such absence of excitability, as to make one almost despair of seeing farmers enter upon a career of professional and peaceful strife in which honours might be won and benefits acquired worthy of the ambition of the most enlightened minds? In reference to those cardinal objects of every farmer and planter, we do not observe that a single officer of the society laid claim to excellence of management. It is to be hoped they will profit by the example of a lady! - Mrs. West, of Frederick county, who, we rejoice to see, took one of the four premiums bestowed, for an excellent crop of wheat.

Horses.

In this department of the Exhibition, especially as it respected stallions, the show was creditable to the institution. 'The number and the qualities of these fine animals, evinced a sensibility to their value, and an attention to their improvement, which augurs well, and gives promise that after some years the breeding of fine saddle and harness horses will be a source of large income to the farmers of Maryland; who now, to their discredit be it said, perior to any others in use. Also Enoch Walker's high suffer thousands and tens of thousands of dollars, to go to other states in payment for horses, which are only better than ours because they spring from better stock—that is, from stock which partakes, in better stock-that is, from stock which partakes, in all cases, more or less of the BLOODED HORSE. Never was the superiority of blood and race more apparent than on this occasion. At 12 o'clock, at the sound of the horn, twenty highly pampered superb looking animals were led upon the ground, all in opposite the United Hotel, and view the Implement high condition, buoyant with animation, and impatient of all control. The attention was at first confused with the grandeur of the general display; but when time was allowed for examination and comparison, it was not long before the least conversant eye fixed upon the blood as it passed in the round of competition-"He treads the air; the earth sings when he touches it; the basest horn of his hoof is more musical than the pipe of Hermes:" Milk, continued—Instructions for Training horses for accordingly, though there were many of great beau-

tee, that Mark Anthony and Rinaldo, of the stock of Sir Archy, and bred by the hon. John Randolph, of Roanoke, were "considered to be of the best blood of the country, and decidedly the two finest horses exhibited to their view."

It would clearly be good policy to discontinue premiums for many objects which are unsuited to our climate, and never made the subject of competition; and to increase the number and augment the more especially the horse, with whose action and powers, almost every movement and operation of the agriculturist is connected.

We must not forget to mention that one of the Trustees helped to eke out the small show of brood

23-It was without mature reflection that in the last American Farmer, the Postmaster of Baltimore offered to receive and transmit, free of charge, any arrearages that might be paid to him for Editors whose papers are delivered through the Baltimore Post Office. It is the known wish of the Postmas ter General to be very liberal with printers, as their business is intimately connected with the publick interests; hence, at his instance, the new law authorizes editors to send their bills, printed or manuscript, attached to their papers, free of letter postage; and hence his express injunction to all Postmasters to give notice of dead newspapers; but the authority does not extend to the transmission free of postage, of money paid by subscribers, nor does it authorize the use of his frank, by any Postmaster for any thing else except his own proper business and that of his office. In all cases, therefore, where others, they are not justified in using their frank In the one before us, the Postmaster had no view nor the shadow of interest, but to put gentlemen in the way of doing justice by offering a friendly me-dium. But where money is received for remission it must go charged with postage, and of this it is behaved few Editors will complain.

Editors who noticed the former paragraph wil

please copy the above correction.

G-As an agent for collecting subscribers and subscription money, the Editor has pleasure in re commending Mr. Wm. Porter, as one on whose at tention and punctuality every reliance may be placed.

PATENT WHEAT FANS AND PLOUGHS.

Gideon Davis' PLougus kept on hand in all their va riety, manufactured in the best manner and of the bes materials. The many premiums that have been awarded to these Ploughs at the different Cattle Shows, and the decided preference given to them for easy draugh and good work, proves them beyond a doubt to be su STRAW CUTTERS, and Brown's well known Vertical Spinners, for spinning wool. As a domestic spinner for family use, this has probably never been equalled JONATHAN S. EASTMAN.

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PRICES CURRENT.

- 1	PRICES	, UR	RE	TA.	Τ					
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t	ARTICLES.	per.	fro			_	Fn		_	-
t		<u> </u>	iro			0	11	om	to	_
1	BEEF, Baltimore Prime,	bbl.	7	50	8	50				
9	BACON, and Hams,	lb.		5		9		9	1	2
- 1	BEES-WAX, Am. yellow	-		31		33			5	0
	COFFEE, Java,			17	1	71		22	2	5
-1	Havana,			15		16				0
9	COTTON, Louisiana, &c.	=		13		14		- 1	_	
-										
1	Georgia Upland,			11		12		Ì		
	COTTON YARN, No. 10,	- 1		30				- 1		
H	An advance of 1 cent	-						l		
ı	each number to No. 18.									
.	CANDLES, Mould,		I	21		14		16	1	S
9	Dipt,			10		11		- 1		4
1	CHERER			8		10		10		5
1	CHEESE,			30				37		J
H	FEATHERS, Live,	111			0	31		34		
e	FISH, Herrings, Sus.	bbl.		37	- 2	50				
- 1	· Shad, trimmed,			00				- 1		
9	FLAXSEED, Rough,	oush		75		- {		75		
7	FLOUR, Superfine, city,	bbl.	4	25	9	174	5	00		
s				00		50		- [
- 1	Fine,		4		•		.1	25		
2	Susquehanna, superfi-		- 1				-12	~0		
	FLAX,	lb.		9		11		-		
r	GUNPOWDER, Balti	25 lb		00			5	50		
	GRAIN, Indian Corn, .	bush		72		74		1		
۲	Wheat, Family Flour,	_		05	1	10				
-	do. Lawler,			75		85				
-				90		95			solo	0
- {	do. Red,	_		- 1					sale	3
7	Rye,	-		68		70				
-	Barley, Clover Seed, Red	-		80						
e	Clover Seed, Red	bush	3 8	71	4	25	4	75		
ľ	Ruta Baga Seed,	Ib.	1					1		
- 1		bush	1	75			2	00		
t	Orehard Grass Seed,	1		25			1	50		
,	Mangel Wurtzel Seed,	—	1 -							
s	Timothy Seed,	-	2	25	}		3	00		
	Oats,			56						
e	Beans White,	_	- 1	70			1	87		
1	HEMP, Russia, clean, .	ton	215		220)		-		
		_	120		130					
	Do. Country		120	15	190	,		25		
V	HOPS,	lb.				0.5				
u	Hogs' LARD,			7	İ	9		12		
_	LEAD, Pig	1b.		$6\frac{1}{2}$						
	Bar	_		8		81/2				
,	LEATHER, Soal, best,	_		23		24		62		
S	MOLASSES, sugar-house	gal.		45			1	301		5
		10		30		31		371		-
11	Havana, 1st qual.	112				O.I		9		
	NATLS, 6a20d	lb.		61				3		
	NAVAL STORES, Tar,	bh].								
d	Pitch,	<u> </u>	2	25	ļ		1	1		
	Turpentine, Soft,	l —	1	75						
;-	OIL, Whale, common, .	gal.		31		33	ļ	40		
		841.		70	ļ	75	ĺ	88		
e	Spermaceti, winter	1.1.1		00	10					
	PORE, Baltimore Mess,	bbl				00				
	do. Prime,	-	8	00	S	50				
-	PLASTER, cargo price,	ton.	4	00						
	ground,	bbl.	1	50	1					
	BICE, fresh			21		3		5		6
1-	RICE, fresh, SOAP, Baltimore White,	lh.		12	(14		18	g	0
st				51		73		8		2
!-	Brown and yellow,			29		31		35		
d	WHISKEY, 1st proof, .	gal.							5	0
it	PEACH BRANDY, 4th pr			75	1	00	1	25		
1-	APPLE BRANDY, 1st pr		1	36				50		
)-	SUGARS, Havana White,	e.lb.	13		13	50	15		16	
	do. Brown,	-	9	00	9	50				
8.	Louisiana,		7	75	9	50	10		1 t	
y		1b		19	Y	22		20		23
0	Loaf,	lb.					1	00	-	10
k	SPICES, Cloves,			70		75	1			
L	Ginger, Ground,	-		.7				10		
r	Pepper,			17				25		
ĺ	SALT, St. Ubes,	bush	{	43		45				
	Liverpool ground	_		45				75		
- (SHOT, Balt. all sizes, .	ewt.	9	00						
y		1 .	2	50	3	00	3	50	4	
S	WINES, Madeira, L. P.	gal.					2	00	4	
	do. Sieily,		1	15	1	20				
	Lisbon,	-	1	15	1	20	1	50	1 7	5
=	Claret,	doz.	4		8		5	00	9 0	C
	Port, first quality,	gal.	1	65	1	85	2	50		
ſ-		ib.		30	1	35	1			
S	WOOL, Merino, full bl'd	10.				2?		m	ashe	(!
-	do. erossed,			20	1				free	
[Common, Country, .	-		15		20		lags		
`.	Skinners' or Pulled, .		1	20	1	25)	9,		
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rinted every Friday, at \$5 per annum, for JOHN S. SKINNER, Editor, by John D. Tov, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

THE PROPERTIES OF IMPROVED SHORT HORNS, AS DEEP AND RICH MILKERS.

Philadelphia county, May 23, 1626.

JONATHAN ROBERTS, Esq.

President of the Pennsylvania Agricul. Society:

Dear Sir,-I have had occasion to give you an ESTEEMED FRIEND, account of the extraordinary quantities of milk afforded by some of the Improved short horned cows, nary management.

Powelton stock owe their fine appearance to extraordinary care and high keep. Great attention is certainly paid to their cleanliness, but I am not aware, that in any other respect they are treated bet- John Hare Powel, Esq. ter than the native cows of a well ordered dairy. In regard to food, I am satisfied that they require less than the common cows of the country. I lived for three years in the western country, where luxuriant pasturage, and cows which certainly would not suffer by comparison with those generally found in the our native cattle.

man who for more than eight years, has taken care Horn cows. and native breed, the short horn families have uni- an hour. formly been the 'quickest feeders and best nilkers. this farm, are superior in quantity and quality of milk had been deposited. milk, to any which have preceded then; that they are not fed as high as former native and other cattle had been, and that so far from having apprehensions at any time of their "falling off," his principal care, as they approach the tine of calving, is to keep them sufficiently low. It is proper to remark that to prevent the exhausion of these costly dams, they are made dry (always with great diffifirst calf.

this description who had purchased one for \$200, from the rest. assured me that \$400 would not tempt him to part from the animal.

The propriety of the course pursued by our Society, in demanding from those claiming premiums, their premium for Improved Durham Short Horned offered for specific breeds, certificates shewing the Cattle, has been sanctioned by the opinions of pedigree of the dams, as well as of the sires, is exemplified in the fact, that cows, having short horns, but of doubtful origin, have recently been present-ed to the public, as of "Improved short horn blood." Agricul. Society, p. 21.

No. 15. -vol. 8.

are certainly sufficient to throw discredit upon any I am, dear sir. breed.

Very truly yours, JOHN P. MILNOR, Record'g Secr'y Penn. Agric. Society.

Philadelphia, 3d Mo. 1, 1826.

I thank thee for the pitcher of cream, the product of one of thy Short Horned Cows. No stronger the cream of which appeared to be the richest I had proof of the value of that family of animals for the seen. A few days since I was enabled to form a dairy, need be furnished, than the specimen before more correct opinion on this subject, by witnessing me. A portion of the cream was subjected to fricthe operation of making butter. I fear you will tion, by means of a spoon and plate, and it yielded hardly credit me when I assure you that I saw per- butter of fine flavour, in rather more than a minute. fect butter produced from the cream by means of I could scarcely credit, what my own hand had effriction on a plate, in less than ten seconds, although fected. The farmers of our country will surely neither the cream, nor the milk from which it had adopt this profitable race of stock, for the introducbeen taken, had been subjected to other than ordition of which into Pennsylvania, they, as well as our fellow citizens generally, are indebted to thy Some persons are under an impression that the practical judgment, and disinterested zeal.

With great regard and respect,

I am, &c.

ROBERTS VAUX.

Chester county, April 2, 1826.

JONATHAN ROBERTS, Esq.

President of the Pennsylvania Agricul. Soc'y:

Dear Sir,—The interest you take in all matters vicinity of Philadelphia, have predisposed me to connected with the improvement of farm stock, form rather a favourable estimate of the value of makes it unnecessary for me to apologize for giving our parties could be applied to the connected with the improvement of farm stock, and sheep.

Let us have the control of the value of makes it unnecessary for me to apologize for giving and sheep. a detail of an experiment to test the richness of I have within an hour spoken to Morrison, the cream afforded by Mr. Powel's Improved Short

The cream was evidently fresh, and was stated of the stock at Powelton (amounting, during this period, to some hundreds,) who for more than eight to have been taken from milk twenty-four hours years has milked them, fed them, and supplied their old. It was converted into butter in my presence, every want. He corroborates my impression, that in a quarter of a minute, whilst I held the watch of all the cows, comprising almost every British in my hand, although it had been skimmed but half

I have interrogated the person by whom it had He states that the present stock of short horns on been skimmed, and under whose inspection the

> I am satisfied from her statement, and that of the person on the farm, that no extraordinary care, nor management, nor food, have been employed to produce such result.

Very truly yours,

WM. HARRIS.

It is not intended to imply by the foregoing notes, culty.) two months before calving. Two of the that cream of such richness is often obtained from marks of the purity of the blood. cows which afforded the cream spoken of, calved, Improved short horns, or any other race of cattle: one on the 2d, the other of the 23d February last, nor to convey the belief, that one or two other fa-They have large healthy male calves running with milies, do not afford cream equal in richness, to them, notwithstanding which, it is now (23d May,) that produced by the general herd of the best imnecessary to milk them twice a day. One of them, proved dairy short horns. But it is intended to language of Young—"Southdown farmers breed Mr. Coates, the Eattor of the Herd Book, declares prove, that independent of their claims through their sheep with faces and legs of a colour, just as gave in England thirty-two quarts daily, with her early maturity, quick feeding, and deep milking, instances of richness in cream, may be found amongst The supply is very unequal to the demand for them, quite as extraordinary as those of any other white." these calves, and it is my opinion that it would be race of near cattle; although it is not pretended, that if this cream were "mixed with the cream of are disposed "to go back," as having some tendency pendant upon the produce of their fields for sup-other cows," it would "come first," and could be towards constitutional defects, and inferring that port, pay from 200 to 280 dollars for calves of seven "taken out of the churn," as the miraculous Alder- those of the same family, are likely to be affected by or eight months. A few weeks since, a person of ney cream, without commixture with butter formed tendency towards the same point, thinks, that any

> At a late meeting of the Pennsylvania Agricultural Society, a statement was produced, shewing that offspring be increased.

whose wretched appearance, and milkless udders, practical farmers, who by their purchases have are certainly sufficient to throw discredit upon any given the most decided evidence of the estimation in which this race is held.

It appeared, that since June 1822, the sales at Powelton, (in all instances except four, to persons who derive their support from the soil which they cultivate,) equal 7,690 dollars—that from the 1st January to the 15th May, nine animals, of which eight were calves, have been sold for 2130 dollars; yet from the continued importations, and the extravagant cost of the high bred animals in England, it was shown, that no profit has thus far been derived from the thorough bred stock; all under three fourths breed since 1823, baving been gratuitously disposed of.

CECROPS.

THE ART OF BREEDING.

(American Farmer, Vol. 8. No. 6.

MR. EDITOR,

A young gentleman, with a hard name, has taken it into his head to quarrel with Sir John Sebright's opinions on breeding. We who well know him, by certain phrases and hacknied remarks, are not less astonished at his having assumed the name of the founder of Athens* than surprised at his scientific research, and elaborate investigation, carrying him to "Lebanon in Palestine," introducing him to the "Druses," Mr. Cooper's vegetables in New Jersey, "modern physiologists" and "moot points" among lawyers, to elucidate his notions of breeding calves

Let us see how the Athenian monarch, whilst building an hypothesis upon a sheep's face, adheres to "logical deduction," for which he would appear to have so much regard. He says—"Now, ALL WELL BRED Southdown sheep have DARK FACES, and dark legs; yet I have never heard of any breeder expressing an apprehension, that the black colour would, in three or four generations, extend gradually from the face to the very tip of the tail. On the contrary, a black body, or a willte face would be considered, either as shewing a deviation from the blood, instead of proving that they had been too closely bred in-or else, as an instance of the slight tendency to change, already mentioned, and which the breeders are careful to counteract."

He might as well have said, that breeding in and in, would give a sheep two heads, as imply that according to Sebright's theory, it would of consequence, distribute the blackness of a Southdown's face to the very tail, for he has ingenuously assumed, that blackness upon the head, and the absence of blackness from the body, are received as characteristic

I apprehend, that he has not seen half a dozen Southdown sheep in his life, and therefore venture to inform him, that they have faces varying in colour from every shade of black to brown. In the suits their fancy. One likes black, another sandy, a third speckled, and one and all exclaim against

Sebright knowing that all domesticated animals man, who knows that two and two make four, can believe, that by the union of animals so situated, and having such tendency, the defects will, in the

It is not our intention to pursue all the fallacies Cattle, has been sanctioned by the opinions of of the reviewer's deductions, which however "logical" in his estimation, are founded sumetimes upon assertions, not supported by facts, and sometimes

^{*} It was from three cows.

[†] See Mr. Haincs' letter-Memoirs Pennsylvania

^{*}This old gentleman lived only 3382 years ago.

ranged, as to meet exactly his own views Schright other," "a new variety is obtained." ranged, as to meet exactly his own views Scoright of the says,—"Mr. Meynell sometimes bred from brother and sister; this is certainly what may be called a with an open fleece—the Merino has short and fine the full force of feed since. The animal is well shaped and sprightly, and although they call him of rect in the produce the imperfections of the other, I do not think it objectionable: much further than this. The product of the first cross the system of breeding from the same family, cannot, in my opinion, be pursued with safety.

Cecrops finds it convenient to leave out the words, "but the perfections of the one, promise to correct in the produce, the imperfections of the other," thus clipping the author's sentence, suppressing his meaning, to make himself appear wise, and Se-

bright absurd.

Cecrops continues from Sebright-"although 1 believe the occasional intermixture of families to be should we have used it as he has done. The quadnecessary, I do not, by any means, approve of mix-ruped race embraces all animals having four legs. ing two distinct breeds, with the view of uniting yet we find the term "race" applied frequently to a the valuable properties of both. If it were possible, by a cross between the Leicester and Merino breeds of sheep, to produce an animal uniting the excellencies of both, even such an animal, so produced, would be of little value to the breeder, a race of the same description could not be perpetuated."

Here Cecrops stops him in the middle of his sentence, which continues-"and no dependance could be placed in the produce of such animals; they would be mongrels, some like the new Leicester, some like the Merino, and most of them with the

faults of both.

Upon this fragment of a sentence, the critic rejoins-"Here the writer, with respect to the perpetuation of the breed so obtained, besides going contrary to common observation, contradicts what he says in another part of the essay, where he speaks of varieties of domestic birds obtained, and continued

solely by the art of man."

We do not know what is meant by common observation, but we had supposed that this gentleman, had learned that the first cross is an "half bred;" the second three fourths, the third seven eighths; the fourth fifteen sixteenths, and so on. Of consequence the variety obtained by the first cross could not be perpetuated, as the proportions of blood would annually vary, producing new varieties; which after a long time, great vigilance, and much more than common observation might be established, constituting that which is technically called "an improved

For it cannot be denied, that the offspring of a male and female of precisely the same degree of a giant's grasp. affinity to two distinct breeds, would not generally exhibit precisely the same characteristics, nor would dominate, whilst in some those of the other would in different degrees most probably appear.

Do we not find facts, corroborative of this, in the human family? But when the most desirable points dity, which may happen to be in his eye and properties have during many generations been determined, by the skill of the breeder in selecting the animals, which most nearly approximate the excellence which he seeks-in uniting those whose union would by "the perfection of the one promise

* But Sir John gives us to understand, that Bake-

well was addicted to telling fibs about his stock,

upon quotations, not merely mutilated, but so ar- to correct in the produce, the imperfections of the

particularly should the same defects not predominate general conformation of these animals, are opposed in both, but the perfections of the one, promise to cor- as much, as those of any beings, of the same race, of eattle imported by Governor Wentworth about

> The product of the first cross, between a Merino and a new Leicester sheep, would be covered probably with wool of medium texture; but when carried farther, it might become too short for combing, too long for the general manufactures of the coun-New varieties are obtained by crosses.

Sebright does not approve of crossing distinct races, and gives an instance to shew, what he means by "distinct races." For it is evident that the term DEAR SIR, 'race," is not always used in the same sense, nor variety of a particular species; the improved Leicester sheep, are called new Leicester, or the Dish-

It is evident, Sebright did not object to mixing animals of races which he does not qualify by the term "distinct," for in the next sentence, he tells us, that Merino rams, are frequently put to South down and Ryland ewes, all being of the fine wool ed race, which he approves with certain views. Nor would he object, to uniting the Arabian with the turf horse, for he knows, that the best turf horses had been so produced; but he would oppose the union of a Welch pony with a draught horse, or an Arabian courser with a Suffolk Punch if he desired animals either for the turf or the road. He knows, that certain varieties, sometimes fortuitous, some-

As the Baronet liad, without the parade of his classical, geographical, physiological, legal and logical knowledge, modestly and calmly given, the results of his experience, to his friend,* adding—I have transport it, as is done by the New Yorkers. State them, as conclusive, and shall be much gratified, if they induce others to direct their attention to a subject, which appears to me of great importance to the agricultural interests of this country;" if he had not been sufficiently explicit, in the first part of his sentence, it would have been charitable to hear him to the end, and possibly wise, not to excite pity in behalf of a being so small, about to be crushed by rived from several agriculturists, with whom we have

I shall leave the English Baronet, and the Athenian Monarch to settle their differences upon the they show precisely those of the sire and dam. In some the attributes of onc of the breeds would pre- his majesty will not recommend any new mode of his majesty will not recommend any new mode of improving our own race, whatever may be the practices, amongst the hardy "Druses," or the peculiar attributes of any particular instance of fecun-

A FARMER.

[This controversy, which we would gladly have avoided, must cease in the Farmer.]

MAMMOTH OX.

A few days since, on a farm in Greenland, belonging to M. C. Pierce, Esq , of Portsmouth, we measured an Ox, 7 years old, of an extraordinary size. His girth, just back of the forc legs, was 9 feet 14 Well was addicted to telling his about his stock. Upon what authority he says this, he has not informed us. He mentions also a breeder of fox hounds, a Mr. Meynel, and observes: "Mr. Meynel sometimes hered from brother and sister; this is certainly what may be called a little close; but should they hoth be very good, and particularly, should the same defects not predomione hip joint to the other, is 4 feet 9 inches. He one quart of fine salt to one half bushel of ashes.

He had no remarkable keeping for the two first ears of his life, but the owner finding how rapidly common breed, he descended no doubt from a stock sixty years ago. A few of the race we have seen near Wolfsborough, in New Hampshire, where Wentworth had a large farm. The blessings derived from a good agriculturist are often remembered when the politician's deeds are forgotten.

Boston Gaz.

TURNIPS.

Campbell Station, Tenn., June 12, 1826.

I am advised by a man of the name of Jackson Smith, near Athens, in this state; and another near this place, by name Moses Defries, that for several years past they have ploughed their turnips after sowing the seed and having the ground properly prepared; and when ploughed with a large coulter and about six inches deep, they have never failed to raise plenty, and have good crops. They are both men I can believe. I plant all my corn, laying the furrows off with a large coulter, 4 inches wide and running about 8 deep, and believe it answers much better than that planted in the usual way

SAMUEL MARTIN.

INFORMATION WANTED-HAY.

Petersburg, Va., June, 8, 1826.

The Editor of the American Farmer will confer a favour upon me, by informing me of whom and where that certain varieties, sometimes fortuled to the times the product of design, afford the means of establishing improved races of animals, or of mestablishing improved races or of animals, or of mestablishing impr bundles of from 350 to 400 lbs. each. I have a farm upon the river, about 60 miles from this place, Respectfully,

WM. ROBERTSON, Jr.

USEFUL HINTS.

The following items of information we have delately had the pleasure of conversing.

TARFOR SHEEP.

A gentleman, who keeps a large flock of sheep, says that during the season of grazing, he gives his sheep tar, at the rate of a gill a day to every twenty sheep. He puts the tar in troughs, sprinkles a little fine salt over it, and the sheep consume it with eagerness. This preserves then from worms in the head, promotes their general health, and is thought to be a specific against the rot.

BOTTS IN HORSES.

A traveller tells us that the stage drivers on routes leading from Albany to the western parts of the state of New York, in giving water to their horses on the road, mix a little wood ashes with their drink, which they say effectually preserves them against botts.

one hip joint to the other, is 4 feet 9 inches. He weighed in January last 3,038 lbs., and is now probably two hundred pounds at least heavier.

To this composition his cattle and sheep always have access. He thinks it increases the appetite, and preserves the health of the animals. [N. E. Farmer.

nate in both, I do not think it objectionable; much far-ther than this, the system of breeding from the same family, cannot, in my opinion, be pursued with safety."

Cecrops, Am. Far. vol. 8. no. 6. April 28, 1826.

^{*} The President of the Royal Society.

HORTICULTURE.

HORTICULTURE-ENTOMOLOGY.

Charlieshope, N. J., June 19, 1826. SIR,

The cultivation of fruit trees being my business as well as my amusement, I have devoted all my time to it, and have been so far successful as that I am no longer injured either by the peach tree fly or by the disease called the yellows. By reason of the same watchful care I do not suffer from eaterpillars, and I have the pleasure of seeing my trees grow in size and luxuriance. But whilst I have conquered these three great enemies of the orchardist, I am assailed by a fourth, which has assumed so formidable an appearance that unless speedy means be taken to get at the root of the evil, it will be worse than useless to plant a tree.

I allude now to the insect that stings the fruit of the peach, plum, cherry, nectarine and apricot.

For years has this insect been silently and unmolested, working destruction to these fine fruits, and although every one has been aware of the ravages that are yearly committed, and although many persons have called public attention to it, yet the subject has never been satisfactorily investigated.

It being of great importance to me to discover the king of enemy that thus yearly destroyed my fine fruit, I read every article that bore on the sub ject; but there were so many contradictory opinions

length of time that it occupied to convince myself to be to reach the top, which it accomplishes in at the top,) are all the progeny of various kinds of of the correctness of my observations, nor shall I three months, its sheath hardening and its wings beetles. but shall proceed to say that there is no longer a doubt as to the kind of insect that destroys the perfect beetle. fruit, and that the remedy for the evil is within our reach.

Under the head of calioptera in Entomology, is a description of the May bug, or hestnut coloured on the industry of man, and all undergoing the beetle. Under the article beetle, in Buffon's Natu-same changes; some alternating from beetle to grub ral History, is a concise history of the insect. As every other year—some every two years, and some, books like these are within reach of the curious, it as in the ease of the May bug or brown beetle every is not worth while to take up room to go into the ry fourth year. particulars of this formidable insect's history, I shall

weed or bush, or else creeps into a hole in the hour, we shook the beetles from 20 or 30 trees. ground, where it remains until the next evening, when it again rises and pursues the same course.

Its existence as a beetle is from two to three with beetles! weeks; in the last stage of its life it makes a semicircular incision in the fruit of the tree—deposits brown May bug, which looks not unlike a chestnut. its egg-makes another similar cut, perhaps three to the little pale yellow melon beetle. We went weeds called St. John's wort and nullen. or four on the same fruit—deposites an egg in each out the second night, and extended our search: we and then perishes. Sometimes it erawls to a hole travelled over from thirty to forty trees in infinitely and there dies, but more generally it flies or crawls less time, having learned the sleight of the thing. gum takes place, into which the egg is deposited, could not get half a dozen from the whole number another paper. when it soon hatches and becomes a small maggot, of trees.

but what it absorbs from the earth, after the man- I am surprised that any green thing was left surface in the form of a grub worm—yes, sir, those moths and ephemeris flew to the spot and were dewhite worms with pale yellow heads, are the pro-stroyed. geny of the beetle!

tinues its unnoticed devastation until autumn, when that a few beetles who were more tardy than the

reach of trost which is its bane.

and then once more in the spring it rises in the grub a distance from the house have all dropped off, and worm state, stronger and larger, and of course every third peach is stung and has fallen to the more destructive than the year before. It is now ground. about an inch and an half long, and about one-third of an inch thick; it becomes unwieldly and feeble; informing my neighbours and friends of these facts, it goes earlier below to its place of rest, and gets and have begged them to co-operate with me in even deeper than ever in the ground: here, from destroying these insects; but it niust be the work of two, three to four feet below the surface, it takes its time-so few will believe that the common white and surmises, and the modes of prevention were so final leave of the grub form; it hollows for itself a much at variance that I was compelled to leave small hole into which it lies coiled, gradually changspeculation and vague statements, and trust to a la- ing itself into a kind of chrysalis, and then by slow fewer still will believe that the cut worm, the cornborious personal investigation of the thing myself. degrees forcing itself up to the surface. Whilst in worm, the eabbage-worm and the melon worm, (for I need not trouble you with an account of the this state it does not eat, but its sole object seems the vines have worms at the roots as well as bugs dwell on my frequent perplexities and my frequent expanding as it progresses on its journey, until some intention to abandon the investigation altogether, fine evening in the first week in May, it leaves its

What is said of this brown beetle applies, with but little variation, to a whole class of beetles-only varying in shape, in colour and in taste, all preying

As soon as I felt certain that I had identified the only briefly touch upon what immediately concerns grub and the beetle, I prepared myself for their approach; and accordingly on the 3d of May, at dusk, In the first week in May, about dusk, the brown I saw the first flight. The flight of the bectles was or chestnut beetle creeps quietly from its hole in simultaneous, and the buzzing was heard for twelve trees that were paved at the roots were stung as the ground, but more particularly from a sod of or fourteen minutes. All my domestics, male and well as the rest. Brimstone did not annoy them. I grass or clover; it rises slowly and heavily with a female, including out-door servants, went to work. dull buzzing sound, not unlike a drone, and flies in We laid a large sheet under a plum tree, two per 1 have tried every thing that appeared to be reasona straight line to the nearest fruit tree. Here it sons standing near with lamps, one with a pail half alights either on a branch or leaf. If on the extreme end of a tender twig it does not leave it until they full of water, and the rest to pick up the beetles as treme end of a tender twig it does not leave it until they full. We gave the trunk of the tree a sudden to remain on your farm, will exterminate these destroyed; if on a leaf, it strips the leaf of all the succulent parts. It hangs clinging to the great numbers, as if stunned; they were then hastitwig or leaf until its hunger is appeased, and then ly picked up and thrown into the pail of water. In of such importance to get every one interested in it either drops down and crawls under some large this way, in less than an hour, perhaps only half an destroying the beetle, that I know you will give it

There was every variety of them, from this large

This maggot grows larger every day, accommodating itself to the size of the fruit into which it is deponing itself to the size of the fruit into which it is deponing itself to the size of the fruit into which it is deponing itself to the size of the fruit into which it is deponing itself to the size of the fruit into which it is deponing itself to the size of the fruit into which it is deponing itself to the size of the fruit into which it is deponing itself to the size of the fruit into which it is deponing itself to the size of the fruit into which it is deponing itself to the size of the fruit into which it is deponing itself to the size of the fruit into which it is deponing itself to the size of the fruit into which it is deponing itself to the size of the fruit into which it is deponing itself to the size of the fruit into which it is deponing itself to the size of the fruit into which it is deponing itself to the size of the fruit into which it is deponing itself to the size of the fruit into which it is deponing itself to the size of the fruit into which it is deponing itself to the size of the fruit into which it is deponing itself to the size of the size sited. When it has completely destroyed the cir-ones that continued. I spoke of thirty or forty culation, by surrounding the kernel, the fruit falls trees. I only made the experiment on these as they to the ground. Here the worm enlarges, and in were near my house; but every tree, excepting the August it has acquired sufficient strength to leave cedars, silver pines, and indeed all the resinous the hollow shell, which the fruit now becomes, and tribe, were covered with them-mountain ash, horse enter the ground. It now requires no nourishment chestnnt, English walnut, rose bushes-every thing: ner of other reptiles, but keeps descending until it made a large bonfire, thinking that as they are fre gets below the reach of frost; here it remains until quently flying in a room in the evening when the the first week in May—and now comes the most interesting part of the subject. This very offspring tract them; but not more than three or four were of the beetle comes up within a few inches of the decoyed into it, although millions of the smaller

In consequence of thus stripping the trees of the In this the second year of its existence, it eats beetle, my plums were saved. I found, however, voraciously of every living succulent root, and con- about a week after I stopped searching for them. it again betakes itself to a safe point, out of the rest, had made their appearance, and that several tagen of frost which is its bane.

It lies throughout the winter in a torpid state, my labours a little longer. The plums that were at

What is to be done? I have taken great pains in grub worm that is seen when a sod is turned over by the plough, is to be a beetle in another year;

My practice now is, to plough deep every inch of ground adjacent to my orchards, every fall, and to va form that is visible. In the spring I plough again; that is, in the ordinary course of business, and then suffer the black birds and crows to follow the plough and pick up the grubs. I intend to employ little boys next spring to pick up these grubs. I have shown so much solicitude on this subject, that my workmen now destroy every insect that they see: this will in a few years thin off those that infest my farm; but unless it be a general concern, (and who are not injured by it?) it will be of small avail that I pursue this course—for I shall have to encounter those that come from other farms.

I have tried every plan recommended. Those have elder bushes planted all over my farm; in short

I have made this article almost too long; but it is publicity. If every one will go earnestly to work, I am almost afraid of saying how many were in a few years this country will be covered with the caught this first night. We nearly filled two pails most delicious fruit, for our climate is suited to the choicest kinds, and a new source of pleasure and wealth will be opened to us. To rid an orchard of beetles, is not so herculcan a task as to banish the

The only difficulty that I see, is that the beetle commits its ravages at night. Few servants like to assist after their regular working hours are over, to the nearest water and is seen no more. As soon to the nearest water and is seen no more. As soon to the nearest water and is seen no more. As soon to the nearest water and is seen no more. As soon to the nearest water and is seen no more. As soon to the nearest water and is seen no more. As soon the nearest water and is seen no more. This night we only got half the quantity of beetles, as the nearest water and is seen no more. This night we only got half the quantity of beetles, as the nearest water and is seen no more. This night we only got half the quantity of beetles, as the nearest water and is seen no more. This night we only got half the quantity of beetles, as the nearest water and is seen no more. This night we only got half the quantity of beetles, and it is a tiresonic business to do all yourself;—

This night we only got half the quantity of beetles. As the nearest water and is seen no more. This night we only got half the quantity of beetles. This night water and the nearest water and the n Yours, respectfully,

A SUBSCRIBER.

COFFEE.

The following passage occurs in a letter from Cuba, published in the Boston Monthly Magazine. The detail of the manner of producing and consuming a favourite berry, will interest coffee bib-bers, which takes in nearly the whole community:

in a manner shaded, to prevent the young plants coffee house, which was in a shed from being scorched. The seeds are sowed in rows — "It was first carried into Fra three years in their seminary; they are then drawn, and the tops cut off within three or four inches of substance mixed with oil, and say that a ball of this the root. Holes are previously dug in the fields mixture, of the size of a tennis ball, is equal to a animalculæ, resembling a louse, so small they are that are to receive them, fifteen or eighteen inches deep, six feet apart; in these the young plants are set so firmly as not to be pulled up by a strong man.

"The trees, in good soil, will continue to bear diately after they are hatched, open the passage at the end of the blister, and crawl out on the bark of In three years they produce a small crop; in four a twenty-five hundred trees; but he cannot pick all the tree, and there remain, but with little motion, full one. If permitted to reach their natural height their berries in season. In gathering these, a field about ten days; when they stick themselves fast to the coffee tree would grow from fifteen to eighteen must be gone over a number of times; all are not the bark of the tree, and then die. From this little crease the quantity, as that nutriment would be mation it is a stone fruit, like the cherry, two of June, and continues about fifteen days, and then conveyed to a tree of sixteen feet, being confined to those seeds you receive being found in each. In gradually wears off until the old carcass appears, waving, of a beautiful deep glossy green; while the perior to ours. We endeavour to raise as much, lower branches being longest, gradually shortening and as large coffee as possible, because this sells towards the top, the whole plant appears like a pyramid of green foliage, with white flowers or red fine flavoured as the small white coffee that is hard-

as they begin to be in September, they are picked to make the introduction of it an object of profit." off by hands, laid into heaps for two or three days, until the pulp begins to ferment; they are then spread upon sicaderos to dry, being raked up and covered at night or on the approaching of a shower. When thoroughly dry, they are hulled in a mill that is worked by a mule. The coffee is then winnowis worked by a mule. The coffee is then winnow-ed; then again picked over by hand to clear it dies, and many of the limbs of my young apple the cow's, but is more viscid. Butter separated from gravel or dirt; then put into bags; then sent to trees, were covered with lice, resembling in shape a our market; then shipped to yours; then bought flax seed, though much smaller, and of a light coour market; then shipped to yours, then bought flax seed, though much smaller, and of a light co- all times white, it is proportionately less abundant and sold as many times as need be; then it is roast- lour, stationary and adhering fast to the bark. In ed; then ground; then boiled by you: for the Amevicans do not know how to make coffee when they
get it. All this tedious process must be gone over
obstructed its circulation, and materially retarded before we can get a cup of coffee; yet the French the growth; and in one instance, I ascribed the loss made of it is both pleasant and nutritive. seem to be the only people among Christians who of a tree solely to them. Washing with ley and either prepare the beverage well, or duly appressiate it when it is prepared; and yet their manner. In June last, I observed directions in the New Eng-

nople, where it constitutes at this period half the thick white-wash. With a white-wash and paint sustenance of the people, until so lately as 1554. brush, I put this upon the trunks and limbs of the During the Turkish lent, coffee is not allowed to trees, as high as was practicable, filling the cracks be used. The first known in England was in 1652, in the bark, and covering the whole surface. The and was introduced by a Mr. Edwards, who not effect has been, not only to destroy most of the only brought home coffee from Turkey, but also a lice, but to give the trees an improved and vigorous "The coffee tree is a native of Africa, where it servant who understood roasting and preparing it, appearance. The outer bark, which, from a stintis not treated in the same manner that we treat it. This same servant, who was a free man, was the ed growth, had become rough and hard, has, in a
We first plant the ripe berries in a nursery, that is first who sold coffee, or rather established the first

measure, fallen off in flakes, and disclosed a soft,

at sufficient distance to admit hoeing, as they must Thevenot, the eastern traveller, but was not much no doubt I shall succeed in eradicating the evil. be kept free from weeds. They should remain used until 1660, when some bales were brought into

feet; but we do not allow them to exceed five, both ripe at the same period. The size and colour of carcass arises a small speck of blue mould, which is to facilitate the gathering of the berries, and to in- the ripe fruit is much like cranberries—but in for- most plain to be seen between the 10th and 20th five, naturally expends in the fruit what would have new, rich soil, there are sometimes three, and in old which, by this time, is formed into a new blister, gone to the branches of a larger plant. The trunk trees, in dry soil only one. In Arabia the trees and contains the spawns, or nits before mentioned." is small, the branches long, slender and horizontal, grow to their natural size, and consequently pro- It is during the period of transformation only, that coming out in alternative pairs, or, in scientific duce a much less quantity, and also much smaller the alkali, or lime is supposed to be effectual, phrase, are decussate. The leaves are large, lucid, fruit. Hence it is that the Mocha coffee is so sufruit. They blossom in February, and continue in ly saleable. I always choose for my own use, what bloom two months, or more. The flowers are white, was called refuse, and find it far superior to green much like the jessamine in appearance, and some coffee. The poorer the soil, and the worse the

tiful green leaves, contrasted with innumerable "Age has a good effect upon coffee. If kept in white blossoms, is a charming sight. The fields too a dry place, the flavour will improve every year; are laid out in regular squares, the borders of which and many gentlemen in England keep always a are adorned with mango, orange, avocado, and stock for seven years on hand. But it must be kept other fruit trees, together with the æschyomene, from the vicinity of any article that could taint it, the leasalphmæ, and other flowering trees and for there is nothing imbibes the taste or smell of shrubs add much to the beauty of the scene. Did other bodies so quick or so powerfully as coffee. you meet no living objects to contradict the idea, Whole cargoes of it have been ruined by being you would fancy a well ordered coffee field to be a placed too near to casks of rum, sugar, spice, &c. second garden of Eden; or you would imagine the nor is it possible, by any process whatever, to reancients would not have placed Elysium on any is it possible, by any process whatever, to reancients would not have placed Elysium on any is it possible, by any process whatever, to reancients would not have placed Elysium on any is it possible, by any process whatever, to reancients would not have placed Elysium on any is it possible, by any process whatever, to reancients would not have placed Elysium on any by dealers, in a room by itself, and in a very dry brief walk will destroy this illusion, however, and place; instead of which they are apt to select as convince you the curse has fallen here as elsewhere.

"The average quantity of coffee to each tree per annum, is one pound. When the berries are ripe, in some parts of Louisiana; but perhaps not enough

TIME AND METHOD OF DESTROYING LICE WHICH INFEST APPLE-TREES.

(From the New England Farmer.)

For two or three years I observed that the bo-

over the world, was not known even at Constanti-soap, and mixed with these lime enough to make a smooth bark, the sure indication of health. I in-"It was first carried into France in 1635, by tend to repeat the operation next season, and have

The lice hatch between the 20th May and 10th

J. BUEL.

CULTIVATION OF THE VINE.

We learn from the Philadelphia Gazette, that the vine is cultivated in Pennsylvania to an extent of which few persons have had any idea. In the immediate neighbourhood of the borough of York, thing like it in perfume, only less odoriferous. At trees look, the finer flavoured is the seed; but in the vegetable world can look this case they bear but a small quantity, and that more lovely than a field of coffee trees? The beauwould not sell. the culture of the vine is also attended to; and one gentleman in Chester has a vineyard covering thirty acres. Only a few days ago, a house in Marketstreet advertised for sale, wine manufactured in the neighbourhood of Lancaster.

The extent to which the vine is now cultivated, makes us regard it as no longer a matter of experiment. If similar success should attend the attempts to introduce the culture of silk, we shall not long be under the necessity of giving our flour to our

horses to get rid of it.

LADIES' DEPARTMENT.

NUTRITION-FOOD.

(Continued from p. 110.,

Milk of goats emits a particular odour, very much resembling that of their perspirable fluids: it is least offensive in those which are white, those that want horns, and those properly tended. At certain seasons, this odour is remarkably intense. The milk

of preparing it is the most simple. The great art land Farmer for destroying the parasitic enemy; butter, by means of agitation: but the quality of licis in making it as strong as can be; and then diad and that being the particular time to make the application, I immediately set about it. For this purise almost inseparable from the cream: its consistence is little different from that of the human fe-

male; and it combines more saccharine matter than the milk of sheep or goats.

also more tasteless.

pancies presented by these six different kinds of milk, lutary and nutrimental. it appears—that, notwithstanding the diversity of Immediately before giving birth to their offspring goat, the sheep and the cow, in whose milk the der consideration. curd and butter predominate, while the whey and sugar of milk are in defective proportions. The ass, the mare, and the human female who is citen doomed to subsist on vegetable food, go into the second: their sugar of milk and whey exceed, in their relative quantities, the butyraceous and cheesy substances, which are fluid and nearly incoagulable. In the annexed table are exhibited the comparative proportions of curd, butter, sugar of milk, and whey, contained in the milk of each of them, according to their arrangement in the preceding classification:

of the

(TABLE.)

variation in the proportions of its constituent prin- four hours and in the temperature of 66° of Fah Several natural resemblances exist between that cipes, than any other of the animal* fluids. If renheit's thermometer; but the vessel containing it of the ass and human milk: its colour, smell, and a quantity of that yielded by the cow be divided requires being immersed in boiling water, before its fluidity are imperceptibly different; its cream, however, is less abundant. Butter made from it is ex
successively taken at the same milking, and set to lts curd forms a glutinous mass, which affords anaceedingly soft, white, and insipid; and it possesses rest during the necessary time, what was first drawn lytical results not materially different from those of the remarkable property of being soluble in butter- will give out much whey and very little butter, the milk: when compressed and properly dried, it bemilk, from which it can be separated anew by second have less whey and more butter than the comes hard and diaphanous as horn: its whey is means of agitation, if the vessel containing it is former, and the third be richer than either in cutd semitransparent and accescent; and, on being evaheld immersed in cold water. When left at rest, it and butter; and, of course, be more foodful and porated, furnishes alkaline crystals and a proportion parts with its curd in the form of very delicate natritious. Now, these results are almost universal, of saccharine matter. Throughout the next three loose particles, even before it has become sensibly and may be reproduced, without inconvenience, by or four days, it remains coagulable by means of acid. Its taste remains sweetish and agreeable, a very simple experiment. At the same time, they ebullition; but this property, in a short time, ceases: after being deprived of its cream. This milk differs establish an interesting fact in natural history; the thickness of its cream, also, gradually diminishfrom the cow's, in containing a larger proportion of they hold equally true and general, relatively to the es, and its butter becomes paler: and, by degrees, it sugar of milk, less curd, and less cream, which is nature of human milk; and, consequently, suggest comes to differ from milk in its maturity, only in Human milk is whiter than the cow's; and, when respect to the manner of suckling infants. By this butter derivable from its cream. tested in its newest state with purple paper, appears fact, then, it is made obvious—that, when a mother to be equally acid. Its composition, however, is so falls into the habit of putting her child very often singularly diversified, that in different females it to the breast and allows it to suck only for a short often varies considerably in its taste, or colour, or time, she gives it merely the portion of her milk consistence, or the quantity of its cream. In some individuals whose milk contains an irregular prolittle nourishment. Mothers may also learn from portion of whey, and is destitute of curd, it gives the same instructive fact, if they will believe it, how out more or less cream, but never any butter, al- essentially necessary it is to the health of their tenthough strongly agitated: neither does it coagulate, der offspring, that they be placed to the breast at on the addition of an acid. In others, it presents a regular and lengthened intervals; be permitted to thick, tenacious cream; yields, on undergoing mo-remain sucking for a long time; and, by this means, derate agitation, a yellow, firm, uniform butter; is be enabled to imbibe the part, the last and best, of coagulable by acids; and parts with a white compact the maternal milk which contains most of the curd. By careful comparison with the chief discre- creamy substance, and on this account, is more sa-

their analytical results, the principal elements of and for some days after the beginning of their suckmilk in each of these animals, generally considered ling state, all the lactiferous animals have their in relation to the others, do exhibit very constant proportions. Respectively, then, to this view of their nature, they may be distributed into two classes: one including the milk of ruminating, the other by the terms biest, biestings, and biesty milk, the that of herbivorous animals. In the first, stard the lactic consideration

> Such milk, when drawn a few hours before the cow calves, is a yellowish, semipellucid, viscous fluid, wherein slender bodies like fibrils are held in suspension. Its taste is peculiar, rather insipid: it has the consistence of thin syrup. When deposited in an open vessel, it evolves a thick, bland, unctuous, yellow cream, which yields rich, firm, goldcoloured butter. It will give out cream twice in the Respectfully inscribed to the Amateur, the Sportsman twenty-four hours, without having its characteristic properties perceptibly dissipated; but the butter made from the second has a paler colour. When subjected to the actions of heat, the acids, or spirit sembling the white of eggs. Pressure curdles the whole of this milk, without inducing any discrease. ment of whey.

> Biesty milk of the cow, on the day of her calving, frequently contains some streaks of blood which head, who was by Flying Childers, who was by the imparts to the fluid, when shaken, a reddish tinge. Darley Arabian. The dam of Roundhead was the Its consistence is then thin and very sizy, and its famous "plate" mare Roxana by the Bald Galloleft to stand in an open vessel, it sends up a thick viscid cream which furnishes fine orange-coloured, after being deprived of the cream, acquires the ap-

* Milk of the bitch has been administered as a medicine to persons suffering from disease; and, in these, it almost uniformly produced the mildest aperient effects. Its taste is not unpleasant, and the influences of imagi-nation in exciting disgust at its use, may be obviated to a reasonable extent by feeding the animal with a pure human diet. An epileptic lad took it to the amount of two ounces, every morning and evening, with manifest advantage. It operates with considerable benefit, when advantage. It operates with considerable benefit, when given in suitable proportions to nervous children, both before and after their being weaned.

Hilk is more susceptible of sudden and frequent pearance of soapy water. It coagulates in twenty considerations possessing extreme importance with the excess of its whey and the smaller quantity of

(To be continued.)

SONNET.

All forms of beauty-earth, and sea and sky, Save only that which is most beautiful-Guiltless we gaze on, and in gazing lull The captive sense with sweet satiety. But woman-that o'ershadowest in thy light

All loveliest things-thy smile, thy blushing fears, Thy cheek's warm glow, with health and ardour bright,

E'en the pale charm that mingles with thy tears! O that on these, spell-bound, the eye should feed.

Yet the heart famish!-Fascinating foe! False light! that dost the way-lost traveller lead Into the depths of wild and hopeless woe!

If beauty charm thee, gaze on all things fair-But woman's witchery-O gaze not there!

SPORTING OLIO.



(From the Petersburg Intelligencer.)

ANNALS OF THE TURF-No. II.

and the Breeder of the Virginia Turf Horse.

Jolly Roger was the first horse that gave distinction to the racing stock of Virginia. His performances on the English turf, and that of his pediwhole of this milk, without inducing any disengage- took the name by which he is now known; he was foaled in 1741, and commenced covering in Virginia about the year 1748. He was got by Roundtaste nearly similar to that of ordinary milk. When way, the dam of the celebrated racers and stallions Lath and Cade by the Godolphin Arabian. The dam of Jolly Roger was got by Mr Crofts' famous spongy butter; richer indeed, but less pleasant, than horse Partner, the best racer and stallion of his what common milk produces. What of it remains, day, his grandam by Woodcock-Crofts' bay Barb Makeless-Brimmer-Son of Dodsworth-Burton Barb mare.

Jolly Roger got many fine racers, stallions and brood mares, and is a favourite cross in the pedigree of the Virginia bred turf horse, and very just-

Jolly Roger got Spanking Roger out of the imported mare Jenny Dismal, and Longsdale out of an imported Monkey mare.

Janus was a chestnut horse, foaled in England in 1746, and got by Janus, a bay horse foaled in 1738, full brother to Blank and Old England, being got by the Godolphin Arabian out of the famous "Lit-dam the imported mare Moll Brazons: she was tle Hartley mare" by Bartlett's Childers, a son of sired by Spark, who was imported to this country the Darley Arabian.

Janus was imported into Virginia by Mr. Mordecai Booth, of Gloucester county, Va., in the year derick, Prince of Wales.

1752; his dam was got by old Fox, (whose name Mark Anthony was foaled about the year 1763. stood eminent in the English pedigree,) his gran-

dam by the Bald Galloway.

Although Janus partook of every cross in his pedigree calculated for the distance turf horse, yet bottom. Janus from his shoulders back was consiarticulation, and indicating great powers and stamina in his whole conformation.

His stock partook of these qualities in an eminent degree, and for thirty or forty years they were considered as a "peculiar stock, 'as they invariably exhibited even in the third and fourth generations from the old horse, the same compactness of form, strength and power. The Janus stock have exceeded all others in the United States for speed, durability and general uniformity of good form: and nought mare. more good saddle and harness horses have sprung

from them than from any other stock.

The cross of Janus is considered by many judicious sportsmen as a valuable one for the turf, if combined with other crosses that have been noted for bottom: from the Janus cross is derived speed, the first essential quality of the turf horse. Celer was justly considered as the best son of old Janus, as he propagated a stock equal in every quality to those of the stock begotten by his sire. He was bred by Mr. Mead, of Virginia, and foaled in 1774, and died in 1802, aged 28 years.

As the pedigree on his dam's side is not generally known, I will here give it. The dam of Celer was got by the imported horse Aristotle, a brown bay, finely formed, full 15 hands high, bred by Mr. Bladen and got by the Cullen Arabian, his dam by

called White Checks.

No. III.

Morton's imported horse Traveller contributed in an eminent degree to the improvement of the turf stock of horses in Virginia. He was a bay horse, foaled about the year 1748, and was a covering stallion at Richmond Courthouse, Va. as early as the year 1754. He was bred by Mr. Crofts, at Raby in Yorkshire, (who was the fortunate breeder and owner of some of the first horses in England,) and got by his famous horse Partner, who was a grandson of the Byerly Turk, and was himself the worth; Layton Barb mare, Morton's Traveller sister to Traveller: she bred Shepherd's Crab, and other capital racers.

Morton's Traveller got Tryall and Yorick out of Blazella, imported, and Burwell's Traveller out of berty. a Janus and Lycurgus; also Lloyd's Traveller out of a Jenny Cameron, and Tristram Shandy out of a Janus, and Ariel full brother to Partner, and Partner, out of Colonel Tasker's imported mare Seli-

Partner was the best son of Morton's Traveller, proving to be not only a fine race horse, but a valuable stallion. He was foaled about the year 1755. Partner got Rockingham out of Nelson's imported tain what weather there was at such a place on such mare Blossom, and Fitz Partner out of the dam of a day, &c. I don't mean Dr. Little's (of Washing Celer and the celebrated horse Mark Anthony.

him by Lord Baltimore, who received him of Fre- April.

and did not exceed fifteen hands in height, and was a horse of beauty and intrinsic value, whether viewtime good wind, enabling him to run four mile heats dered the most perfect formed horse ever seen in in good form. In the latter character he stood de-

Bucephalus out of a Careless, and Junius out of an 2 past 3 o'clock.

Burwell's Traveller got Southall's Traveller out of an imported mare, and Camillus out of a Fear-

Loyd's Traveller got Leonidas out of a Morton's Traveller mare. Junius got Spangloss out of a Jolly Roger mare.

A FRIEND TO THE VIRGINIA TURF HORSE. (To be continued.)

AQUATIC SPORT.

The public have lately seen accounts published from the Savannah and Charleston papers, of several boat races which have taken place at those places, and of the fame of a Savannah boat called the Razor. Some of our citizens who were present at those sports, received a hint, that if the New Yorkers wished to try their hand with the Southern, ers, they might have an opportunity by communicating their wishes. These hints have been communicated to our Whitehall Aquatic Club; a challenge has been sent to Savannah, that the Whitehall Crab, his grandam by Hobgoblin, great grandam lenge has been sent to Savannah, that the Whitehail by the Godolphin Arabian, out of a famous mare Club will contend with them for a purse of \$10,000 -5,000 a side, to be increased if desired, to row a distance of not less than three, nor over six miles, the boats to be rowed by six men each, with a cox-swain. The Whitehall Club proposes the race to take place at Baltimore, being about equi-distant between New York and Savannah, where both par- extremes. ties will be strangers to the currents, so as to have a fair race.

[N. Y. Daily Adv.

PIGEON SHOOTING.

A party of about forty gentlemen assembled near Germantown a few days since, to shoot for a valua grandsire of King Herod. The dam of Traveller ble fowing piece, which the owner was desirous of was by Bloody Buttocks (an Arabian)—Greyhound; selling. Each person paid \$5, for which he was en-Makeless; Brimmer; Place's White Turk; Dods-titled to six shots. Three hundred wild pigeons were procured for the occasion, to be shot at on was bred from the best running stock in England in the wing, oaly one being thrown up at a time. The that day: the famous Witherington mare was full prize was gained by Mr. Doughty, of this city, who prize was gained by Mr. Doughty, of this city, who brought down his six pigeons in the finest style. The interest of the scene was heightened by the chance given to the poor birds to regain their li-Phila. paper.

MISCELLANEOUS.

REPORTS OF THE WEATHER.

MR. SKINNER, June 21st, 1826.

I have often lamented there was no way to ascerton) cyrrhus, cumulus and nebulus and caloric-but Mark Anthony's dam was by Othello, (a son of when we had a fine beneficial rain, and where and Mr. Parton's capital English horse Crab,) his gran-how far it extended.

I observe in your last American Farmer, an extract from Cecil county, from a person who says he by Governor Ogle, of Maryland, and was given to has had no rain since the snow on the 10th of

I now inform you, that after having been literally burnt up here, (not having any strawberries, not being able to save seed peas, and some beds that never blossomed,) on Sunday, the 18th, it began to ed as a racer or stallion. In the former character rain before day, and that from 7 o'clock in the he was not excelled by any horse of his day, being morning till 4 in the evening, the rain was inceshis stock were more remarkable for speed than "remarkable for his swiftness," having at the same sant, yet not to do any damage. From five senarate measurements, I ascertained the fall of rain to be in that time, on an average 44 inches. And on Virginia, by the most skilful connoisseurs; he was servedly celebrated, and propagated a stock which the 19th, in the evening, another rain (that would remarkable for roundness of contour, strength of were held in the highest estimation for their various have made a season, as planters call it, without the valuable qualities, whether for the turf, the saddle first, that of the 18th,) seemed to be very extensive. or the harness. Mark Anthony got Collector out of a Centinel, and Monarch out of a thorough bred mare, and Romulus out of a Valiant. Yorick got Pilgrim out of a Little Davie, and we have the same appearances. It is now raining,

GESTATION OF ANIMALS.

The period of gestation varies in different animals; in the larger kinds it is a process of longer duration than in the smalter. In the elephant, and the whale, it takes up many mouths: in the mare eleven months, in the cow about nine months; the sheep five months; swine about 150 days; dogs about 60 days; hares and rabbits bring forth about the thirtieth day.

The Memoirs of the National Institute of France, contain an interesting communication on this subject, by M. Tessier, whose observations he details

as follows:

1. Cows.

One hundred and sixty cows were observed.

14 calved from 241st to the 266th day; that is, from 8 months and 1 day, to 8 months and 26 days.

3 on the 270th day.

50 from the 270th to the 280th day.

68 from the 280th to the 290th day.

on the 300th day.

5 on the 308th day.

160

Consequently there were 67 days between the two

2. Mares.

One hundred and two mares were observed.

3 foaled on the 311th day.

on the 314th day.

on the 325th day.

on the 326th day.

on the 330th day.

47 from the 340th to the 350th day.

from the 350th to the 360th day.

21 from the 360th to the 377th day.

on the 394th day.

102

This gives a latitude in the time of gestation of 83 days; and the following observation may be made respecting cows and mares; namely, that more of the first brought forth before the completion of the ninth month, than of the second before that of the eleventh.

3. Sows.

Of these only fifteen were observed.

1 brought forth young, which lived, on the 109th day; that is, 3 months and 19 days.

10 - from the 110th to the 120th day.

2 on the 121st day.

on the 122d day.

on the 123d day.

15

Consequently the difference between the two ex-furnished with the following account of vehicles tremes was 14 days. tremes was 14 days.

4. Rabbits.

ing the course of three years.

1 brought forth on the 26th day. on the 27th day. on the 28th day. on the 29th day. 53 50 on the 30th day. on the 31st day. 21 on the 33d day.

t89

animals was seven days.

IMPORTANT DISCOVERY.

Mr. Aaron Hannum, a respectable citizen of this diately found purchasers. county, has discovered a sovereign remedy for the expulsion of worms from children. The remedy is in the Basilican library at Constantinople, was a simple, and one that can be obtained at all seasons of the year. The following are a few particulars as related to us. He says, while several of his children were going to their grandmother's in April last, on a visit, they for amusement, took from the leaves or twigs of the cedar trees, what is generally called the cedar apple or knot. One of them, who had been always very much afflicted with worms by the costliness of his pipe, the price of them is since the age of two years, (now between six and seven,) and every thing had been done in the power of a skilful physician for their expulsion, but all to the control of the Capitan Pacha was adorned spinored for the control of the Capitan Pacha was adorned spinored for the capital physician for their expulsion, but all to the capital Pacha was adorned spinored for the capital physician for their expulsion, but all to the capital Pacha was adorned spinored for the capital physician for their expulsion. no effect, and who was in a very delicate state of rally with diamonds, from the amber mouth-piece health, eat several of the apples—the consequence along the whole length of the tube. was, that several worms were expelled from her. Notwithstanding the well known capriciousness The remedy was again administered, and in twelve of the English climate, it appears that the average Mr. H. to be satisfied of its efficacy, gave the apples one year with another, is very nearly the same. to five of his children, who were all in good health; From the observations made since the establishit had the same effect as upon the first. He also ment of the Royal Society, during upwards of one eat several of the apples himself, and the effect was hundred years, it appears that the mean temperathe same. Thus, through the medium of mere ture of any one year, in the metropolis, in no inmost simple has been discovered. Mr. H. makes the metropolis, more than five degrees. Hence we may above public with a view to benefit his fellow citi- fairly conclude, that a mild winter will always for disposed to try the experiment, that the apples ceeded by a cold winter. should be eaten nine mornings in succession, fasting; if dry, to be pounded fine, and taken in motree. At this season of the year, the apples or knots are to be found in great abundance on the cedar trees. [Upland (Pa.) Union, June 13.

Cow House.

There is now erecting at Edinburgh the most splendid cow house in the world. The buildings which compose the dairy form an additional orna ment even to the "city of palaces." They are erected of fine white stone, and present a handsome front of three stories in the centre, surmounted with a dome, and of two stories in wings. The dome gives air and light to the cow house, which is one hundred and twenty feet in length, and sixty feet in breadth. The roof is twenty-one feet in height, and is supported by two rows of cast iron pillars. The whole is finished with as much neatness as a chapel, and the light from the sides is transmitted through handsome sashed windows. which would not disgrace a fashionable drawing room. At one end of this large apartment is a gallery, from whence the two hundred splendidly accommodated cows may be seen, and every arrangement is such, that, instead of a dirty and disgusting next meeting. scene, it will be a very pleasant sight.

tween this city and Troy, we have been politely July next.

day last, coming to and going from Albany, viz: 51 One hundred and thirty-nine were observed dur-stages, 25 hacks, 31 gigs, 53 double wagons, 90 single wagons—total 250 in one day, besides 27 saddle horses, [Albany Daily Adv.

SCRAPS

From late English papers received at the office of the Ame- in corn. rican Farmer.

An importation of 23 Flemish horses, of the cart kind, were last week landed at Woodbridge; they appeared in fine condition, and 1t of them imme-

manuscript of the Iliad and Odyssey, written in letters of gold, upon a serpent's gut, 120 feet in length.

Russia is twice as big as Europe; it occupies the ninth part of the world anciently so called, and the 21th part of the surface of the globe.

As the rank of a person in Turkey is displayed

THE FARMER.

BALTIMORE, FRIDAY, JUNE 30, 1826.

33-Meeting of the Trustees of the Maryland Agricultural Society.

A meeting was held agreeably to adjournment at Dalton, the residence of Doctor Allen Thomas—present G Howard, of Waverly, president—R. Caton, G. Cook, Jacob Hollingsworth, J. B. Morris, David Williamson, Jr., Dr. Thomas, James Cox,

Treasurer, and J. S. Skinner, Correspd'g Secretary. It was Resolved, That the next Cattle Show and Exhibition of household Manufactures be postponed until the autumn of 1827—and that James Carroll, Jr., D. Williamson, Jr., and J. S. Skinner, be a committee to prepare a scheme of premiums to be awarded at that time—the said scheme to be submitted to the consideration of the Board at their economical in their keep, and proving well in the

To give our readers some idea of the travel be- Mr. Jacob Hollingsworth's, on Thursday, the 20th and the best blood. What has been their observa-

At last we have had very refreshing and abundant showers of rain,-It is feared that it has been injurious to the harvesting of wheat crops. Corn which was in fine condition for receiving it, had not suffered by the drought; and if the remainder of the season should prove favourable, the crop of that great staple will be very large; and the more so, in this state, because a considerable portion of land, which had been designed for tobacco, was put

The late rains have fortunately not been so late, It appears from City Accounts just printed, that but that they will benefit the crop of oats: our fall out of monies amounting to 154,661l. provided for markets too, will be greatly improved; and if farmthe building of New London Bridge, 132,580l. has ers have recourse to sowing millet, broad cast corn, The difference between the two extremes in these already been expended, leaving a balance of 22,000l. and we should suppose rye, with a view to straw, the deficiency of the hay and early root crops, may yet be in a great measure supplied.

> ESTHE LATE CATTLE Show .- Remarks upon by the Editor-continued.

> > ASSES AND MULES.

Well convinced of the great value and economy of the mule, the Trustees did not feel themselves at liberty to overlook these objects in forming their scheme of premiums; and accordingly very handsome ones were held out, to encourage the breeding of mules in the greatest perfection. They offered for the best Jack 20\$-for the best Jennet \$10-for the best pair of well broken unules, raised in the state, \$15-for the best mule colt by the side of its dam, \$5. So little was their policy on this head appreciated, that but a single animal of this species was exhibited, and the Committee reported him "unworthy of a premium." Scarcely an instance can be found of a farmer ever voluntarily parting with a mule, who has experienced his hardiness, easiness of keep, hours three hundred and upwards came from her. heat experienced throughout the year, comparing long life, and great powers of endurance; yet few, very few in Maryland, take the necessary steps for rearing them. They rely, as in many other cases, on the people of other states, who possess more sagacity and industry, to supply them at a high price with mules which are reared as cheaply as calves. chance, perhaps one of the best remedies and the stance, varied from that of the former year, in the They bear off our cash, and laugh at our folly and improvidence. We verily believe that mules, worth from \$80 to 100, and that would work every day in zens; an act, in our opinion, truly praiseworthy and low a comparatively cold summer, and that when magnanimous. He recommends to those who feel the summer has been unusually hot it will be such to reared by almost every Maryland farmer for 15 or \$20, until he was ready The King of France has purchased a farm, which for the collar-yet there are scarcely fifty bred in a ing; if dry, to be pounded fine, and taken in mo-lasses, or eat them just as they come from off the France, and which is stocked with long fleeced derfully 'cute wise people!"

NEAT CATTLE.

In this department of the Exhibition, the deficiency was lamentable. It may be said that scarcely any thing was contributed by a practical farmer, following that pursuit exclusively for a livelihood.

Suppose the fine animals sent by Henry Thompson, J. B. Morris, (one of the Trustees,) and Joseph Gales, of Washington, to have been withdrawn from the ground, and what would have become of this part of the "Cattle Show?" Yet these gentlemen may be called amateur farmers, who have recourse to the culture of the land, and take delight in the improvement of cattle, as an amusement, to which they would fain give more time and attention, if their cardinal pursuits and interests would allow them to follow their inclinations.

It cannot be pretended that farmers have not much at stake in all that appertains to the qualities and improvement of cattle—for beef, for work, for milk, for butter, tallow, leather, &c. &c., even their hoofs and horns, are turned to account. Independently of the pleasure of having improved animals dairy or shambles, on the mere ground of profit and The next meeting of the Board of Trustees of loss, experience shews that every farmer should the Maryland Agricultural Society, will be held at possess himself at least of a male of superior value tion? Under their own eyes?

horn bull calves, at \$200 each-and that after seve- and effectual relief. ral years observation of their qualities, by a clear sighted, sagacious people, who know the why and wherefore of every thing they do. The bull Young Comet, from White Rose, bought, without a bid against him on our show ground for \$250, has been sold to one of the most enterprising farmers of New England, Mr. H. Watson, for \$500. Mr. Lloyd meets with ready sale for his half blood calves at \$25. Mr. Henry Thompson sold four animals of Devon blood, some only half bred, at the late Show, for \$350 cash.

The premiums offered for cattle were-For the best bull over 2 years old, full blood improved Durham Short Horns, \$10 the best bull over 2 years old, full blood Devon, the best bull over 2, full blood Alderney, 10 the bull, over 2 yrs. of any other breed, the best bull, under 2 yrs. of any breed, the best milch cow; certificate of her milking, quantity of butter produced, and keep for one week; and of the in-terval of time elapsed between her calving and the week of trial, to be produced, the second best; particulars as above, 10 the third best, do. the best heifer, of any breed, 10 the second best, the best pair of well broke oxen, 10

Of these eleven premiums, it appears only six were bestowed, viz: For the best bull over 2 years, full blood Devon—the bull over 2 years, of any other breed—the best bull under 2 years, of any breed the best milch cow-the best heifer, of any breedthe second best.

same strain on other branches of the Exhibition, but the theme is not a pleasant one, and we willingly abandon the unwelcome task; not however without an acknowledgment of the great credit due to the gentlemen who filled some pens with sheep-the

more especially as

85-The SHEEP were not only excellent of their several races, but sent, for the most part, from great distances, and by distinguished individuals. From Talbot county, fine specimens of successful ingrafting of the Merino and Bakewell blood upon the country stock, by Gov. Stevens-Southdowns that were highly admired for size, fleece, form, and evident hardiness of constitution, procured by the judgment and kindness of Col. Powel, of Pa., for Col. Lloyd—Saxony Merinos of the finest qualitics, imported by Mr. W. Patterson—the pure Merino by Gen. Mason, of Georgetown—and the prize ram, the farm a large dairy and several looms to be superinfor the greatest quantity of picklock wool, sent all

WESTERN WHEAT.

Speculation, which gave a few weeks since a sudden advance to this article, it is now said has produced a depression equally as sudden. The Onondaga Register of the 14th inst. states, that the price of wheat on the canal was then 63 cents per bushel. It is quoted in New York at \$1.00 and \$1.12. Sales of the tirst quality western wheat were made in preventing it-Description of a Coffee field in Cubathis city yesterday and the day before, at \$1.00; but Time and method of destroying Lice in Apple trees-the average price is several cents less. Western Cultivation of the Vine in Pennsylvania—On the proflnur, prime brands, is selling at \$4.50.

[Albany paper, June 21.

Answer to Inquiny-St. Anthony's Fire.

Henderson, Ken., May 28, 1826. for some remedy for the unpleasant itching that ac- cluded-Western Wheat-Answer to Inquiry on St. An-

Colonel Powel, of Pennsylvania, has demand for that the fresh leaves of the Jamestown weed, apmany more than he can supply of Improved short plied to the inflamed surface, produces immediate

THO'S TOWLES. Respf'lly, yours,

Answer to a Friend.

FRIEND SKINNER,

Lucerne,

mellow land or stiff.

In reply to the letter thee sent us this morning, containing the inquiries of a subscriber who signs his letter "A Friend," we may inform, that we keep at all times most of the grass Seeds named in the following list, and of such quality as we can warrant to grow. The present prices are added, viz: Highland meadow oat grass seed, per bush, \$6.00 on any land not wet, Rye grass, (perennial,) 5.00 on any land not wet. Orchard grass seed, do. 2.00 moist land not wet. Timothy, 3.00 do. moist land not wet. Herds', or red-top, do. 1.50 moist or wet land. Red clover, do. 4.50 dry mellow land. Sainfoin, do. 5.00 mellow land, stiff subsoil. Spring and winter tares, do. 5.00 dry mellow or stiff soil. bite clover, . per lb. 371 mellow land or stiff.

> Thy friends, SINCLAIR & MOORE.

do.

50

Tobacco-Few purchases are making-It may We might continue our reflections much in the be said of this article in general terms, that the best qualities have fallen much more than the common

> That which at this time would bring about \$10. would at this season of last year have brought \$14common tobacca, which would then have sold at \$6.50, would now, probably bring about \$5 .- Sales lately, have been poor, and those chiefly of scatter-

> ing hogsheads.
>
> The price of grain, will be found in our regular price current.

Amount of Inspections in the three State Warehouses during the last week-439 hlds.

WANTED,

A Manager to conduct a Farm and overlook about fifteen working hands, in that healthy portion of Tennessee bordering on Upper Virginia. As there is on the way on purpose, in a wagon, from Steubenville, in Ohio, by the American Champion of sheep husbandry, W. R. Dickinson, Esq. as above, a good situation will be referred on applica-tion to the Editor.

June 30.

CONTENTS OF THIS NUMBER.

The Properties of Improved Short Horns, as deep and rich milkers—The Art of Breeding, by a Farmer, in an-swer to Cecrops—Mammoth Ox—On Ploughing Tur-nips—Inquiry for packing Hay—Useful Hints—On the destruction of Fruit Trees by the Beetle, and manner of perties, &c. of Milk, continued—Poetry—Annals of the Turf, continued—Aquatic Sport—Pigeon Shooting—Reports of the weather—Gestation of Animals—Remedy for Worms in children—Cow house in Edinburg—Travelling in New York-Scraps from late English papers -Proceedings of Maryland Agricultural Society-Wea-To the inquirer in your Farmer some time since ther-Editorial Remarks on the late Cattle Show, concompanies the St. Anthony's fire, you may state thony's Fire-Prices of Grass Seeds--Tobacco market.

PRICES CURRENT

PRICES CURRENT.										
l	ADTRICT DO		WH	OLI	ESA	LE	1	RET	AIL.	_
	ARTICLES.	per.	fro	m	to	,	fro	m	to	
ľ	BEEF, Baltimore Prime,	hbl.	7 ;		8		_			_
E	BACON, and Hams,	lb.		5		9		9	:	
ŀ	BEES-WAX, Am. yellow	- 1		31		33		20		50
ľ	COFFEE, Java,			17		71		22		25
ļ	Havana, COTTON, Louisiana, &c.			15		13		- 1	2	20
ľ	Georgia Upland,	_		10		1 t				
	COTTON YARN, No. 10,			30		٠.۱				
	An advance of 1 cent	_						- 1		
	each number to No. 18.					- 1		- 1		
ľ	CANDLES, Mould,	_		2높		14		16		15
Ĺ	Dipt,	-		10		11				14
	CHEESE,	_		10		12		12		15
	FEATHERS, Live, FISH, Herrings, Sus.	bbl.		30 37		31/ 50		37		
ľ	Shad, trimmed,	002.		00	~			- 1		
ŀ	FLAXSEED, Rough,	oush		75		- {	8	73		
	FLOUR, Superfine, city,	bbl.	4	37	4	50		00		
Ĺ	Fine,			00{	4	50				
1	Susquehanna, superfi.		4			, ,	4	25		
1	FLAX,	lb.	-	9		11		5.0		
	GUNPOWDER, Balti.	25 lb		75		so	5	50		
1	GRAIN, Indian Corn, . Wheat, Family Flour,	bush		05		10				
1	do. Lawler,	_		75		85				
1	do. Red,	_		90		96			sal	es
1	Rye,	_	1	68		70				
1	Barley,	_		80						
1	Clover Sced, Red	hush		7 1	4	25	4	75		
-	Ruta Baga Seed,	lb.	1	75			2	00		
1	Orchard Grass Seed,	bush		25			1	50		
ı	Mangel Wurtzel Seed, Timothy Seed,	_		25			3	00		
l	Oats,)	56		1				
ı	Beans, White,		1	70			1	87		
1	HEMP, Russia, clean, .	ton	215		220	. :				
Ł	D (1)	-	120		130					
1	HOPS,	lb.		15		0	}	25		
	HOGS' LARD,	112		7		9		12		
Ì	LEAD, Pig	lb.		6 <u>5</u> S		81				
1	Bar LEATHER, Soal, best,	_		23		24		62		
1	MOLASSES, sugar-house	gal.		46			1	$62\frac{1}{2}$		75
۱	Havana, 1st qual	-		31		32		371		
1	NAILS, 6a20d	lb.		61		- 0		9		
1	NAVAL STORES, Tar,	bbl.		75	1	50				
-	Pitch,	-	2	75						
	Turpentine, Soft,	gal.	1	3 t		S 3		40		
1	OlL, Whale, common, . Spermaccti, winter .	gai.		70		75	1	88		
1	PORK, Baltimore Mess,	bbl	11		12	00				
•	do. Prime,		Ś	00		50				
1	PLASTER, cargo price,	ton		00						
	ground,	bbl		50		0				
	RICE, fresh,	lb lb	-{	23		3		18		6
t	SOAP, Baltimore White Brown and yellow	lb.		12 5½		14		8		20. 12
•	WHISKEY, 1st proof, .	gal.	1 5	284 284		30		38		50
1	PEACH BRANDY, 4th pi			75	t	00	1 .	25		
	APPLE BRANDY, 1st pr			36				50		
•	SUGARS, Havana White	,c.lb			13		15		16	
ĵ	do. Brown,	-	9	00	9	50				
ľ	Louisiana,	11.	7	75	9	50		20	11	00
	EDICES Cloves	lb.		19 70		22 75	1	00		25
	SPICES, Cloves, Ginger, Ground,	-		7		10	1	12	1	
1	Pepper,			16				25		
	SALT, St. Ubes,	bush	7	43	1	75			!	
1	Liverpool ground	-		45				75		
1	SHOT, Balt. all sizes, .	cwt		00	1 -		10	2.0		
-	WINES, Madeira, L. P.	gal		50	1	00		50 00		
e f	do. Sicily,	-	1	15		20		0 0 5 0		
_	Lisbon,	don	1 4	15	8	20	5	00		75
	Port, first quality,	doz		65		85		50		00
-	WOOL, Merino, full bl'o			30		85	1			
e	do. crossed,	-		20		53	П		Vas!	
-	Common, Country, .	-		15		20	11	tag	free s.	177
y	Skinners' or Pulled, .	1-	1	20	1	25	1	. 2		
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5	Printed every Friday at	55	per	an	nur	n. 1	or	JO	HN	S.
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SKINNER, Editor, by John D. Toy, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

THOUGHTS ON AGRICULTURE.

(From the Visiter, 1756.)

to the manufacturer, and yields a support for the other parts of a community; it is now the spring which sets the whole grand machine of commerce in motion; and the sail could not be spread without the assistance of the plough. But, though the farhelp observing the honour that antiquity always naturally leads us into some reflections upon that occasion.

Though the mines of gold and silver should be exsea; though commerce with strangers be prohibited; though all arts, which have no other object than spleudour and embellishment, should be abo-lished; yet the fertility of the earth alone would Europe, in the same manner as Hannibal had for-enables him to export great quantities to other afford an abundant supply for the occasions of an merly employed his troops in planting olive trees in kingdoms, which might otherwise starve; particuindustrious people, by furnishing subsistence for them, and such armies as should be mustered in their defence. We, therefore, ought not to be surprised, that agriculture was in so much honour was thought so in the time of Columella, it is very 153,343 of wheat; the bounty on which amounted different them. among the ancients: for it ought rather to seem different at present; nor were all the ancients of to 72,433 pounds, wonderful that it should ever cease to be so, and his opinion, for several gave the preference to pasthat the most necessary, and most indispensable of ture lands. all professions, should have fallen into any contempt, .

consideration than Egypt, where it was the parti- flocks and herds. We also find from Latinus in of apples and hops supply him with generous kinds cular object of government and policy: nor was any country ever better peopled, richer, or more powerful. The satrapæ, among the Assyriars and the same among the Romans, till the introduction of produces 2,000,000 pounds a year. Persians, were rewarded, if the lands in their go-vernments were well cultivated; but were puished, if that part of their duty was neglected. Africa

were Thrace, Sardinia, and Sicily.

who were supplied from thence with almost all dy method of enriching a country. their corn, both for the use of the city, and the subcities sent such numerous fleets every year, freightthe like danger for the futur.

manner: and when the Emperor Septimus Severus he, in that Book called his (Economicks, set out the died, there was corn in the publick magazines for advantages of husbandry, and a country life." seven years, expending daily 75,000 bushels in bread for 600,000 men.

Agriculture, in the primeval ages, was the common parent of traffick; for the opulence of manthey applied themselves to it later: for Noah plantthe Britons, both under the Romans and Saxons, kind then consisted in cattle, and the product of ed it by order, and discovered the use that might were employed like slaves at the plough. On the tillage; which are now very essential for the pro-be made of the Iruit by pressing out and preserving intermixture of the Danes and Normans, possessions motion of trade in general, but more particularly so to such nations as are abundant in cattle, corn, and of Noah into the several countries of the world: but gradually declined, till it was entirely wore off unfruits. The labour of the farmer gives employment Asia was the first to experience the sweets of this der the reigns of Henry VII. and Edward VI., for gift; from whence it was imparted to Europe and they hurt the old nobility by favouring the Com-Alrica. Greece and Italy, which were distinguish- mons, who grew rich by trade, and purchased ed in so many other respects, were particularly so estates. by the excellency of their wines. Greece was most The wines of France, Portugal, and Spain, are celebrated for the wines of Cyprus, Lesbos, and now the best; while Italy can only boast of the wine mers are of such utility in a state, we find them in Chio; the former of which is in great esteem at made in Tuscany. The breeding of cattle is now general too much disregarded among the politer present: though the cultivation of the vine has been chiefly confined to Denmark and Ireland. The corn kind of people in the present age; while we cannot generally suppressed in the Turkish dominions. As the Romans were indebted to the Grecians for the produced in the northern countries: but England is paid to the profession of the husbandman: which arts and sciences, so were they likewise for the im- the happiest spot in the universe for all the principrovement of their wines; the best of which were pal kinds of agriculture, and especially its great produced in the country of Capua, and were called produce of corn. the Massick, the Calenian, Formian, Cæcuban, and hausted, and the species made of them be lost; Falernian, so much celebrated by Horace. Domi- enrichment of the kingdom: for, without this, how though diamonds and pearls should remain conceal-ed in the bowels of the earth, and the womb of the that no more should be planted throughout the our commerce? We should look upon the English two hundred years afterwards, when the Emperor arable grounds not only supply his fellow subjects

Agriculture was in no part of the world in higher of Abraham, Laban, and Job, consisted in their hemp for the making of linen; while his plantations Virgil, and Ulysses in Homer, that the wealth of of liquors. those princes consisted in cattle. It was likewise abounded in corn; but the most famous countries beasts that are of any use to the country, either for Cato, the Censor, has justly called Sicily the ma- man. And Cato, the Censor, was of opinion, that chant, nor the merchant find employment for the

Luxury, avarice, injustice, violence and ambition sistence of her armies: though we find in Livy, that take up their ordinary residence in populous cities; the Romans received no inconsiderable quantity of while the hard and laborious life of the husband-corn from Sardinia. But, when Rome had made man will not admit of these vices. The honest farherself mistress of Carthage and Alexandria, Afri- mer lives in a wise and happy state, which inclines ca and Egypt became her store houses: for those him to justice, temperance, sobriety, sincerity, and every virtue that can dignify human nature. This ed with corn to Rome, that Alexandria alone annu- gave room for the poets to feign, that Astræa, the ally supplied twenty millions of buhels; and when goddess of justice, had her last residence among the harvest happened to fail in me of those pro-husbandmen, before she quitted the earth.

Vinces, the other came in to its ail, and supported and Virgil have brought the assistance of the muses winces, the other came in to its ail, and supported and Virgil have brought the assistance of the muses.

Mr. Skinner,

Sir—In the fall of the year 1818—pretty late in praise of agriculture.

Kings, generals, and philosupply, would have been in danger of perishing by famine. Rome actually saw herelf reduced to this rank, and genius, to leave precepts to posterity upon condition under Augustus; for there remained only the utility of the husbandman's profession. Hiero, three days' provision of corn ir the city: and that Attalus, and Archelaus, kings of Syracuse, Perga- This field, if I may use the term, was the very es-Prince was so full of tendernessfor the people, that mus, and Cappadocia, have composed books for sence of sterility, and under the best culture hither-he had resolved to poison himelf, if the expected supporting and augmenting the fertility of their to had produced nothing but sassafras bushes, hog fleets did not arrive before the expiration of that different countries. The Carthaginian general, weeds and maycocks, &c. what Dr. Mitchell would time; but they came, and the preservation of the Mago, wrote twenty-eight volumes upon this sub-Romans was attributed to the good fortune of their ject; and Cato, the Censor, followed bis example. Emperor: but wise precautios were taken to avoid Nor have Plato, Xenophon, and Aristotle, omitted improve, for the sake of setting off my farm on the this article, which makes an essential part of their "country high road side." When the seat of empie was transplanted to politicks. And Cicero, speaking of the writings of Constantinople, that city was supplied in the same Xenophon, says, "How fully and excellently does

When Britain was subject to the Romans, she annually supplied them with great quantities of The ancients were no less industrious in the cul-corn; and the Isle of Anglesea was then looked

The improvement of our landed estates, is the greatest part of the west; which continued almost farmer as the most useful member of society. His

What a fund of treasure arises from his pasture lands, which breed such innumerable flocks of The breeding of eattle has always been consider- sheep, and afford such fine herds of cattle, to feed ed as an important part of agriculture. The riches Britons, and clothe mankind! He rears flax and

The land-tax, when at four shillings in the pound.

Without the industry of the farmer, the manutillage, breed, carriage or other conveniences of facturer could have no goods to supply the mergazine and nursing mother of the Romai people, the feeding of cattle was the most certain and spee- mariners: Trade would be stagnated; riches would be of no advantage to the great; and labour of no service to the poor .-

> The Romans, as historians all allow. Sought, in extreme distress the rural plough: Io triumphe! for the village swain Retir'd to be a nobleman* again.

USING MARSH MUD FOR MANURE, "Cotton Seed and so forth," the fruits of ten years

* Cincinnatus.

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and what every one may do likewise. A strong well or æriform state. made horse eart and a good mule were provided, and delivered into the hands of two young men, with a spade for each. Thus provided, and the of our farmers the importance of saving, and of ap- The quantity of these upon a farm is very great, very poor miserable sterile silicious 4 acres "check- plying, the food of their vegetables with the same care and are collected and brought to the yard with ed off," as we call it -the "boys set to work-Dick and Tom," rolled up their breeches above their liow scrupulously careful is the good husbandman And here also should be fed out, or strewed as lit-knees—went into the hitherto useless bog, and con- of the produce of his farm, destined to nourish and stantly carted out heavy blue mud, the compost of fatten his animals; and yet how often careless of the and bean haulm, and the straw of grain not wanted nature and ages, and such as Earl Stimpson, nor food which can alone nourish and mature his plants! in the stables. To still further augment the mass. any one may hope to equalize in stercoraries and the like. A half a bushel at least of this compost roots carefully housed, and economically dispensed great advantage. These materials will absorb the of nature was thrown from the cart on each check, as we call it, and there suffered to lic and rot, and to waste on every part of his farm. Stercoraries the excrementitious matter, double or treble the or as we call it, and there suitered to he and to, and be acted on by frost, through the months of December, January, February, March, and until the 18th stitutes a moiety of the manure of animals, is all lost. ber, January, February, March, and until the t8th The surrounding sand was hauled on top of the blue compost, and two or three of the good old Indian were deposited in the same. Its growth was effect, is still pursued. And finally, the little ma-cd. The cattle should be kept constantly yarded

corn began to fade and lose its natural green for the more brilliant colour of the ruta baga and pump-essential to their health and vigour. A weed congrain or garden crops. It is used extensively in summer evenings' thunder showers fell sumes as much food as a useful plant. This, to be Flanders, and in other parts of Europe. in vain on this unfruitful soil, in which nought was congenial but the sassafras, the hog weed and the passiflora: it was abandoned as of "no avail," until ry neighbourhood. further riches were drawn from the swamp—which, if we will not "drain and dry," let us draw manure from in this way. These swamps are the banks which hold all the valuable effects of their neighbours, the hills, which lift their heads in my country plants, should feel the evil of light purses, as well with such "majestic poverty." The value of cotton as of light crops? Constant draining or evaporahead" are more in tune.

A SWAMPER OF CAROLINA.

P. S. I forgot to mention the great surprise expressed by the "truly court-going neighbours" at the great change effected in the old "sassafras conmons"-all of which I told them I had drawn (I mean the idea of using swamp mud,) from the truly valuable American Farmer.

REMARKS ON THE CONSTRUCTION AND MANAGEMENT OF CATTLE YARDS.

By J. BUEL, OF ALBANY.

Vegetables, like animals, cannot thrive or subsist without food; and upon the quantity and quality of this depends the health and vigour of the vegetable, as well as of the animal. Both subsist upon animal side of, and adjoining the barn. Sheds, substantial or five years on the return of the corn and potato and vegetable matter; both may be surfeited with ex- stone walls, or close board fences, should be erect crop. cess; both may be injured by food not adapted to their ed at least on the east and west sides, to shelter the habits, their appetites, or their digestive powers. A cattle from cold winds and storms-the size proporhog will receive no injury, but great benefit, from free tioned to the stock to be kept in it. Excavate the access to a heap of corn or wheat, where a horse centre in a concave form, placing the earth removor cow will be apt to destroy themselves by excess, ed upon the edges or lowest sides, leaving the bor-The goat will thrive upon the boughs and bark of trees, where the log would starve. The powerful level, to feed the stock upon, and from two to five robust maize will repay, in the increase of its grain, for a heavy dressing of strong dung; for which the more delicate wheat will requite you with very little barrow, after the ground is broken up with the barrow, after the ground is broken up with the barrow, and grows allowed. I would be the former and was applied a strong the more than the centre. This may be done the firm all quarters of the island, the dispersed members of the several level. I would be barrow, after the ground is broken up with the barrow, after the ground is broken up with the barrow and grows. but straw. The potato feeds ravenously, and grows plough. I used the former, and was employed a the great sheepfod, about two miles from town, luxuriantly, upon the coarsest litter; while many of day and a half, with two hands and a team, in fitting preparatory to the ceremonies of ablution and dethe more tender exotics will thrive only on food two to my mind. When the soil is not sufficiently vestment. upon which fermentation has exhausted its powers. compact to hold water, the bottom should be bedBut here the analogy stops: for while the food of the one is consumed in a sound, healthy, and generally solid state, the food of the other, before it becomes aliment, must undergo the process of putre
wery porous. My yards are constructed on a sand

I have gone into the analogy between animals

with such "majestic poverty." The value of cotton as of light crops. Constant training of evapore that harrow and hoc eradicate the weeds which spring seed as a manure, in another, when my "hand and tion, without returning any thing, would in time harrow and hoc eradicate the weeds which spring head" are more in time.

exhaust the ocean of its waters. A constant cropfrom the seeds it scatters. The finer parts of the tion, without returning any thing, would in the seeds it scatters. The incr parts of the exhaust the ocean of its waters. A constant cropping of the soil, without returning any thing to it, food are preserved in the soil, to nourish the small will in like manner exhaust it of its vegetable food, grains which follow. The dung is spread upon the land as evenly as possible, and immediately turned as evenly as possible, and immediately turned to the slength. It is thereby better distriand gradually induce sterility. Neither sand, elay, land as evenly as possible, and immediately turned line or magnesia—which are the elements of all under with the plough. It is thereby better distrisoils-nor any combination of part or all of them, butel for the next crop, and becomes intimately is alone capable of producing healthy plants. It is mixel and incorporated with the soil by subsequent the animal and vegetable matter accumulated upon tillage. Thus, upon the data which I feel warrantits bosom, or which art deposits there-with the ed in issuming, a farmer who keeps twenty horses auxiliary aid of these materials diffused in the at-

of providing food for vegetables, commensurate to twelve ares of corn, potatoes, &c. and manure it the means of every farmer of ordinary enterprise; well. Aid if a proper rotation of crops is adopted, and that my suggestions may not be deemed theo- he will beable to keep in good heart, and progres-

retical, I will add, that I "practise what I preach."
The cattle-yard should be located on the south

The plan proposed was short, decisive, availing, faction or decomposition, and be reduced to a liquid loam, resting on a clay subsoil. Here should be annually deposited, as they can be conveniently collected, the weeds, coarse grass, and brake of the and vegetables thus far, to impress upon the minds farm; and also the pumpkin vines and potato tops. and economy that they do the food of their animals. little trouble by the teams returning from the fields. to his animals, the food of his vegetables is suffered liquid of the yard, and, becoming incorporated with day of April, 1819, (I keep memorandum books.) The slovenly and wasteful practice of feeding at and when the weather is soft, the borders afford immediate, rapid, vigorous, and products wonderful nure which does accumulate in the yards, is suffered in winter, except when let out to water, and the indeed.

A part of the adjoining land, of the same quality, (but not manured in this way.) was planted in the same way—but although it flourished some at first, and promised well even to the end of May, yet when the sun began to ships interestly had a suit does now not their foods yet he after some large but with foods. when the sun began to shine intensely hot, as it does own of their food; yet he often sees, but with feeble the quantity proportionably increased. Any excess with us in July and the other summer months, the efforts to prevent it, his plants smothered by pesti- of liquid that may remain after the dung is remov-

Having explained my method of procuring and preserving the food of vegetables, I will proceed to state my practice in feeding or applying it. It is cles of the manure, which would have been lost during the summer in the yard; while the plough, mixed and incorporated with the soil by subsequent and neat cattle, will obtain from his yards and stamosphere—that enables the earth to teem with vegetable life, and yield its tribute to man and beast, what is made in summer, and the product of his I will now suggest a cheap and practicable mode hogsty. With this he may manure annually ten or twelve ares of corn, potatoes, &c. and manure it sively to inprove, sixty acres of tillage land, so that each fold shall be manured once every four

FILEEP SHEARING.

(from the Nantucket Inquirer of June 24.)

This patriarcal festival was celebrated on Mon-

sheepcotes arranged laterally, or nearly so, round the food now in market! It may be important to the exterior circle. Contiguous to these smaller pens, each of which is calculated to contain about one hundred sheep, the respective owners had erected temporary tents, wherein the operation of shearing was usually performed. The number of hands engaged in this service, may be imagined from the fact, that one gentleman is the owner of about 1000 sheep, another of 700, and numerous others of smaller flocks, varying in numbers, from S DEAR SIR, or 400 down to a single dozen. The business of selecting, seizing and yarding the sheep, creates a degree of bustle that adds no small amusement to the general activity of the scene. The whole number of sheep and lambs brought within the great inclosure, is said to be 16,000. There are also several large tlocks commonly sheared at other parts of the island.

MR. WATSON'S SHEEP SHEARING.

Henry Watson, Esq., of East Windsor, invited his friends to be present at the finishing of his sheep shearing, on Wednesday last. A large number of agricultural gentlemen from Massachusetts had the pleasure of seeing and examining as good sheep, as good stock, as good a dinner, as good wine, and in short as good rural management, as was an array of some of the most intelligent landholders to be found in New England. We cannot now insert the particulars, nor even the toasts.

[Con. Mirror.

TREATMENT FOR SEED WHEAT.

in the following manner, and always grew good erops, exempt from smut or blight. He collected as many half bushels of sheep's dung, as he intended to sow quarters of wheat; as much of the phia, I sedom tasted a cabbage; having, after many dung placed in a cooler, or other large tub, as the trials, found that vegetable ill-flavoured, sametimes quantity of wheat allotted to it, and sixteen gallons even to rankness. For the same reason, I became swered—"Gooseherries love the shade." Mr. Clifof water, and four gallons of pork or other brine, indifferent to asparagus; and sometimes wholly reton was then an old man, of much experience in of sufficient strength to swim an egg, would per- jected it, because ill-flavoured, from the too ample mit. The brine and water he put together in a use of rank stable manure. I never tasted a good Lancaster county, in England, surpassed all other copper or furnace, and made it scalding hot—in muskmelon that was raised in a hot bed, and forced parts of the island, in the variety and excellence of copper or furnace, and made it scalding hot—in muskmelon that was raised in a hot bed, and forced parts of the island, in the variety and excellence of which state he poured it into the vessel that contoning to ripeness by stable manure. Some, indeed, have its gooseberries, Mr. Clifton's remark occurred to tained the dung, covering the former sufficiently been so ordinary that I have forborne to partake of me: and I supposed that in the shade, in a Philadelclose with sacks, to prevent as much as possible, them. Yet I am not squeamish. With a firm conthe steam from evaporating. When the compound stitution and vigorous health, I could at any time had become sufficiently cool to admit of the operasubsist on the coarsest and meanest food.

He are supposed that if the snade, in a rinhader in the snade in the snader in the snade in the snade in the snade in the snade in the sn tion, he had the sheep's dung rubbed, by hand, till Upwards of fifty years ago, an observing townsit was entirely dissolved; and then, whilst the liquid man of mine gave me the following information. was still lukewarm, he infused the wheat which remained in soak, closely covered, for thirty six hours—at the expiration of which, it was taken out of the liquid, placed in strainers, and as soon as it had verized lime.

FOOD FOR CATTLE.

of considerable distress among the owners of horses contamination: while green peas, on the same soil, and cattle, for food; and we understand that hay is may please the palate. But the food of peas gives selling for \$30 per ton; oas, weighing 30 lbs. per bushel, 70 to 75 cents, being about $2\frac{1}{2}$ cents per lb.; passes by a slender neck of fine strainers, and forms and other cattle food in about the same proportion. It might be well for the feeders of cattle to know that superfine flour can be had now for about $2\frac{1}{2}$ certs per lb.; passes by a slender neck of fine strainers, and forms the pod; from the pod, each pea, by a neck still more slender, and doubtless still finer strainers, retainers published in the present volume, Nos. 4 more slender, and doubtless still finer strainers, receives its growth; and thus purified, (perspiration sun."

sort of labyrinth. Into these circuits the sheep are cents per lb., and it is certain one pound of it congradually driven, so as to be designated by their tains as much nourishment as two pounds of oats, ear-marks, and secured for their proper owners in and if used with judgment, is much the cheapest cat-

HORTICULTURE.

CABBAGES, PEAS, ASPARAGUS, FRUIT, &c. New York, June 28, 1826.

munications, appear to me to merit a place in the American Farmer.

Under the impression that they will prove of

I am, dear sir, respectfully, yours,

DAVID HOSACK.

J. S. SKINNER, Esq., Editor American Farmer, Baltimore.

DEAR SIR, Satem, February 7, 1826.

Your inaugural discourse, delivered before the New York Horticultural Society, which you kindly sent me, embracing subjects with which I have some acquaintance—you will permit me to make my acknowledgments, by communicating to you a they could wish. The farming interest in this coun- few observations, the result of my experience and ty is taken hold of by gentlemen of wealth, zeal information. They may be of some use to gentle-and experience, and at Mr. Watson's table there men who, being in situations to raise their own vetheir families and friends.

The object of the market gardener is, to raise the greatest quantity, on a given space of ground. He, therefore, is very liberal in the application of manure, which is furnished most abundantly from the A wealthy retired Somersetshire farmer asserts, stables of the towns which they supply with vegethat for thirty-three years he treated his seed wheat tables. These will be large and handsome, and

done dripping, spread on the floor of a barn or gra- and the water, as he had directed, remained in the nary, after the manner of malt on the floor of a malt house, frequently turning it till nearly dry, well cabbage grew was sweet; the other rank and dispowdering it, whilst a little damp, with linely pul- gusting. Leaving out of the question the matter of wholesome?

I discriminate among culinary vegetables. Those which are the immediate offspring of the rank soil, The Philadelphia Gazette says: "It is now a time as cabbages, cauliflowers, and asparagus, will suffer

going on during all these processes,) becomes a grateful food. Yet even green peas would be more delicious, if grown on a soil sufficiently rich by the application of other manures, or of which the rankness had been dissipated during the growth of some other crop in the preceding year. In the year 1787 I went to live at Wyoming, now Wilkesbarre. had purchased a lot which had not been cropped for many years, and probably never manured. The tender turf was turned under with a spade, and so completely, that not a blade of grass appeared on the surface. In the first week in May, early Charlton and green marrowfat peas were planted, in beds The observations contained in the enclosed com- side by side. The first produced very fine green peas; but the marrowfats were superlatively delicate and rich. Some peas of each sort ripened on the vines; and were saved to plant the ensuing practical utility to the horticulturist, I submit them year. These gave me unlooked for, but important information. In the spring of 1788, I took both parcels into my garden to plant. Opening the little bag of early Charltons, I found them, as I had expected, swarming with bugs; but I knew that the germs of buggy peas were not destroyed. I then opened the bag of marrowfats, where, to my surprise, there was not a single bug. I recollected that the marrowfat vines of the preceding year, furnished no peas until the early Charltons were gone-The inference was obvious: the flight of the pcabug-the season for depositing its eggs-was passed before the pods of the marrowfats were formed. This fact furnished me with a rule for sowing the common white field pea, the same year. I delayed sowing until the latter part of May; and harvested men who, being in situations to raise their own vegetables, must desire to have them of the most delicate flavour, for the gratification of themselves, with the same success. But these crops were small; for the land was poor, and the extreme heat of June in that vale (latitude 41° 13') pinched the vines. The third year, I chose a piece of good and moist intervale, or bottom and, which yielded a full crop, and free from bugs,

About thirty years ago, I went to see the garden of Mr. Clifton, near the Navy yard, Philadelphia. It abounded in various fruits—plums, peaches, currants, gooseberries, &c. Seeing several sorts of gooseberry bushes loaded with fruit, and all growing in the shade of fruit trees--l asked Mr. Clifton, if a more open exposure would not be better? He anton was then an old man, of much experience in gardening. At a subsequent period, learning that Massachusetts, I obtained one sort of Mr. Clifton's gooseberries, and planted them in my garden; and near them stuck a few slips of ozier, which I had shoots: yet the gooseberries were much superior to what they were afterwards, when the oziers were removed.

Your horticultural address suggested several taste, which cabbage would you pronounce most other things, which I may communicate, when I find leisure. In the mean time, I remain,

Dear sir, Your obliged and obed't serv't,

T. PICKERING.

DR. DAVID HOSACK.

From A. E. Belknap, Esq., of Boston.

Dear Sir,-Concerning the operation on fruit trees, of which I spoke to you, I have collected the

following information:

An incision should be made on the limb of a tree at a few inches from the trunk, and the bark taken off all round the limb for the width of one quarter or one third of an inch without injuring the wood. The operation should be performed in the spring, when the sap has risen so that the bark will peel easily. The limb so operated on thrives better, and the fruit it produces is superior to that on the common branches. It is peculiarly useful for trees which are bar. ren, or which do not bring their fruit to maturity. The wound cicatrizes after a while.

This experiment, I am told, is not novel: it has succeeded at Judge Jay's, in this State, and in the garden of Mr. Petit de Villiers, at Savannah. It is very dissimilar to the method of cutting off the main stem or pivot of fruit trees by which a greater proportion of nourishment is thrown into the branch-

I am, with respect, dear sir, Your obed't serv't,

Dr. D. Hosack.

A. E. BELKNAP.

LADIES' DEPARTMENT.

NUTRITION-FOOD.

(Continued from p. 117.)

From these results, it appears to be conclusive. that cow's milk during the first days after her having calved, includes much in its nature, essentially dissimilar from what is secreted by the same animal at a later period: that such milk is remarkably distinguished by its viscous and albuminous characters; had just been ill-used and even whipped by her em-and, that it affords a very large proportion of but-plovers, for a very venial fault. Equanimity and der, excited to action by dilatation of the chest in ter. These peculiarities commence disappearing in which it is susceptible.

also on the fluid elaborated for similar purposes, in and painful sensations. the breasts of the human female. This, at the time of her infant's birth, is thin, mild, and sweetish: it influence on the secretion of human milk. In acute the satisfaction of impatient mothers, however, it is adapted, the best of all things, to allay the excessive sensibility of the young one, and to expel the together suspended; but the exact modifications de- assist in diluting the dark green, ropy matter that meconic deposition, in due time, from its bowels. termined. by this means, in its constitutional ele-still lines the alimentary passages:—but nature, ever For this purpose, it is requisite that the child be put very early to the breast; because so soon as the ses who are subject to nervous seizures have their breasts a fluid infinitely the best adapted to the exe-

of its milk when a suckling female is fasting, especially if the fast has been long, and when she has characters. Milk of a cow, whose lungs were near-should at least never refuse it her first milk, for conclusion, that the elements of the milky fluid are to contain a remarkable proportion of the phosphate means of securing, as much as possible, the tender very sensibly affected by variety in the quantity and of lime. If this fact be constant in all the mammi-quality of the food itself, and also in the intervals forous animals affected with tubercles in the organs meconic matter from its bowels more perfectly than yield milk in great profusion; but it is thin and in important fact, and one that ought to engage the sipid: the butter taken from it, moreover, has a rious attention of physicians and physiologists. sucty appearance and is very soft. If, however, the animals be sent to depasture dry champaign fields or open woodlands, their milk soon becomes more best properties of milk. Demonstration of this plete with old milk, and it will soon be observed to sapid, and its butter firmer, although the atmosphe truth presents itself to the mind of the most heed writhe with internal suffering, or to vomit the liquid ric temperature in which they feed be the same, less observer in the languid and enervated condi- so foreign to its age and constitution. under both circumstances.

Fernales of the bestial tribes, which subsist on food composed of animal and vegetable substances ples, to enable them to renounce the pleasures of whose proportions are perpetually varying, have gay society during the time, at least, that nature retheir milk on that account, more susceptible of quires them to discharge the sacred duty of suckbeing modified by the nature of such aliment. Let a suckling hitch be made to live for eight days on vegetable nourishment alone, and its milk will readily undergo spontaneous separation;—be coagulated in the west limited to mothers, deprive them, to an equal in the West Indies. The cookery, I confess, is more studied and elaborate, more science is shown ble by the ordinary means; yield a larger propor-function.

indeed, appear to have acquired all the properties hours after their birth:—in the interval, they may of what is secreted by the runninating animals. Let, get some sweetened water or other very mild thin on the other hand, the same bitch be fed solely with fluid, for the purpose of removing whatever viscid raw flesh, and the quantity of her milk shall be ob- matter may be adhering to the internal surfaces of servably diminished; shall resist spontaneous coagu-lation; and, instead uf the acidulous, present true clapse before the babe is permitted to suck the moalkalescent properties. If such modifications are ther, her breasts become distended with her milk. determinable in the milk of inferior animals by the the act of sucking occasions her acute pain, and the sole agency of food, what then must be the extent exertions of the infant to imbibe its new beverage of its influence on that of the human female whose often prove the cause of painful chaps in the nipple. diet is so variable and so complicated, and who her- Simple as this circumstance of being early sucked. self is exposed, at all times to the operation of in- may appear to be, it contributes essentially to maknumerable other causes possessing tendency to oc- ing the milk fever milder, and sometimes altogether casion equally injurious effects?—Reflection on this prevents its occurrence. Such delay, too, excludes indisputable fact suggests an explanation of the different results which have occurred to chemists in their which nature has bountifully provided for it, in the researches into the nature of human milk:-and, use of this first milk. Even the parent's own health it additionally suggests the necessity of suckling and the activity of her lactiferous functions depend. mothers attentively combining in their own diet such in no small measure, on her breasts being excited alimentary substances as are known to enrich the by an early act of sucking. This has the beneficial milky sustenances of their babes.

Mental affections,-grief, gladness; anger, fear;

ble manner Sometimes, on experiencing strong or by its secreting organs:—besides, during the time it sudden emotions, females giving suck have their remains in the breast, it undergoes an elaboration breasts in a short time become shrunk and flabby, by which its nutritive virtues are augmented and and the secretion of their milk altogether suspend matured.

ed. Ebriety and anger not only determine the lastthe milk itself, make it prejudicial to the nursling's latinous formation,—the remains of what had been health, and thereby excite sharp pains in the bowels, secreted by that organ, for the new one's sustenance or not unfrequently the most distressing nervous during its feetal growth. Generally, a short time, agitations. An infant was abruptly seized with three, five, or seven hours, or more, -elapses be alarming convulsions when sucking its nurse, who fore it begins manifesting appetite or a desire of happiness, therefore, are as indispensably requisite respiration with a concomitant pressure of the mida few days; but it is generally more than two months before milk undergoes the last transition of which it is susceptible.

These peculiarities commence disappearing in applicies, are as independently relieved. Fiff on the parts within the belly, sometimes get to some food and salubrious air;—and, parents should be partially relieved. Sweetened wine, manna in never cease to appreciate the importance of guard-solution, syrup of roses, and various other compo-

maladies, it is either considerably diminished or al- may receive some sugared tepid water, which will ments, have not been analytically ascertained. Nur- wise and provident, has prepared in the maternal "milk fever" begins, the milk itself commences milk become transparent and ropy as the white of passing through its natural alterations.

Great differences are observable in the quantity plaint supervenes; but, in a few hours after the height rient and remarkably nutritious. Even though a recently taken food. From this fact results the ly destroyed by tuberculous consumption, was found which there is no equal substitute:-it is the only between exhibiting it. Cows accustomed to graze of respiration, - and if it shall be known to exist in any artificial preparation whatever. An infant's in moist meadows covered with rushes and sedges, phthysical women giving suck to infants,—it is an stomach is altogether too delicate to bear the wine important fact, and one that ought to engage the sc- or purgative drugs wherewith it is too often the cus-

> indulgences, have inevitable tendency to vitiate the babe, be put to suck a nurse whose breasts are retion of such infants as are nursed by mothers who possess not fortitude, nor prudence, nor good princi-

> tion of cream and curd than that of the goat, and, Infants should be put to the breast in four or five effect, also, of conducing not remotely to the milk's increase and the improvement of its quality, both and indeed all the passions,—deteriorate the quality which indeed, especially its quantity, are generally ties of human milk, in a very direct and remarka- commensurate with the degree of vitality possessed

Babes, at their birth, do not immediately require mentioned result, but alter the natural properties of nourishment:—the stomach is then filled with a ge-The same law of their vital constitution which ing themselves and nurses from being exposed to sitiom, alike unprofitable or pernicious, are frequent-determines these changes in other animals, operates sustain the impressions of melancholy, affective, ly then given to it, with the intention of vigorating the babe, and of hastening its first dejections:-but, tom to torment it, at the very dawn of its new state. Indolence moreover, and luxury, and all undue Let such, especially a "be-drugged or vinified"

(To be continued.)

MODE OF DRESSING A TURTLE.

(From Coleridge's Six Months in the West Indies.)

in the anatomy, and superior elegance in the dish-

few and far between, leave something of an angelic England. But setting aside this last advantage, or other horse of his day. rather justly esteeming plenty a blessing, a man of unprejudiced appetite will have no difficulty in deciding in favour of the consumption of turtle on out of Mr. Warren's fine brood mare "Silvertail," the spot of its birth. The nature of this fine animal is not understood by European cooks; they distrust the genuine savour, and all but annihilate it eight King's plates. He never was beat, being to have the efficacy of their remedies confirmed, or, by bilious addiments of their own composition; the punch too, though compleasurable per se, is drunk so largely as to wash out all remembrance, all rumination on the past, and I have seen some persons so grossly ignorant as to drink once or twice before they have finished their soup. This should not be. A single lime is sufficient; squeeze it and cut it in Turk, out of a Royal Barb mare. slices afterwards over the various regions of your plate. The soup should be served up in a capacious tin shell, and should be always well lined inside with a thin crust of pastry; the worst consequence may follow upon the neglect of this last particular, for the liquor becomes lukewarm, tenuous and watery, by immediate contact with ware or metal In England I have always found a crassitude, a pinguedinous gravity in the meat, which makes one repent the following, viz: the having eaten it; it enervates the body with a sort of dry drunkenness,

Atque affligit huma divinæ particulam auræ. In the West Indies turtle is a generous food certainly, but honest and unsophisticated; it administers in a small space that nourishment which the great exhaustion of the system requires, and there is a freshness and a recency in it, which quickens the palate and invigorates the organs of taste. At a dinner in England, it must be, as they say and do in the city, turtle once and turtle throughout; a man indeed has no appetite for any thing else after so much acid punch and morbid soup as is absorbed there. In the West Lides, turtle is a gentle alarum, as from a silver trumpet blown; it is the proparasceve of our manducatory energies, the regretted prophagomenon of Apicius. A glass of Ma deira (it should be Sercial, if possible,) is the best thing after this soup; the wine flows in a kindly stream of coalescence with what has been eaten before, and harmonizes with what is to follow; lime punch creates a discountenance, as the lawyers say, and in effect spoils your dinner.

SPORTING OLIO.



(From the Petersburg Intelligencer.) ANNALS OF THE TURF-No. IV.

Respectfully inscribed to the Amateur, the Sportsman and the Breeder of the Virginia Turf Horse.

Fearnought holds the first claim, prior to the day of Medley, and is therefore entitled to the palm in debted-to the canine race it is as fatal as ever preference to any stallion that had preceded him in was the small pox to the human race, when taken giving the Virginia turf stock a standing equal to in the natural way. We would award high hothat of any running stock in the world. The blood nours and ample rewards to him who should diswhich flowed in the veins of old Fearnought must cover in our day, a preventive of the distemperhave been peculiarly rich in those qualities that we would call him a second Jenner, prevention bemake up the conformation of the race horse, as not only the whole stock got by Fearmought run well, man sportsman the other day, going to Annapolis barb, five grains, given every other day for a week. but also his sons and grandsons were remarkable with his gun and two beautiful dogs, remark, that for generally getting good running stock. There they were two of not more than six survivors, out powder fox-glove, one grain; made into four bowas also strength and stamina universally pervad of litters amounting to 40 in number, all the rest lusses with conserve of roses, one given at night, ing the Fearnought stock, to which may be added having died with the distemper.-It was his impres- and another the next morning for two days.

ing. Besides, it is a greater rarity, and its visits er than any other horse on the continent for getting mily of setter dogs he had ever known—this may be racers; and he got mure of them than any othersmack upon the palate of a worthy recipient in he also was the sire of more fine stallions than any

Old Fearnought was bred by Mr. Warren, in for the blood of that extraordinary animal. England, and foaled in the year 1755. He came and was got by Regulus, the best son of the Godolvery superior to any horse of his day.

1738, and got by Heneage's Whitenose; her dam tion on the several cases introduced—of all diseases. by Rattle—Darley's Arabian—the old Child mare, the distemper is the most dangerous to dogs, and got by Sir Thomas Gresley's bay Arabian, out of it is in regard to that, that we are especially soli-

Col. John Baylor, who advertised him in the year 1765, as "a bright bay, 15 hands 3 inches high, remarkably strong and active, and full brother to the

Among other capital stallions and racers, he got

Nonpareil, out of a Janus mare. Nimrod, out of a Partner. America, out of a Jolly Roger. Regulus, out of the imported mare Jenny Dismal Godolphin, full brother to Regulus. Shakspeare, out of an imported Cub mare. Gallant, out of a Stately mare. Shakspeare, out of an imported Shakspeare mare Apollo, out of an imported Cullen Arabian mare. Harris' Eclipse, out of Baylor's imported Shakspeare mare.

Laurel, out of a Fearnought. Matchless, out of a Sober John. King Herod, out of an Othello. Whynot, out of an Othello.

Dandridge's Fearnought, out of ——.
Symmes' Wildair, out of a Jolly Roger, who proved to be the best son of old Fearnought. Wildair got-

Commutation, out of a Yorick mare. Highflyer, out of a Yorick mare. Chanticleer, out of a Pantaloon mare. Chanticleer, the best son of Wildair, got-

Magog, out of a Wildair.

Prestley, (full sister to Magog,) the dam of Wilkes' Madison.

Cornelia, the dam of Mr. Randolph's Gracehus. A FRIEND TO THE VIRGINIA TURF HORSE. (To be continued.)

Three thousand five hundred guineas (\$16,310.) were refused for Lord Lowther's race-horse Monarch. [English paper.

DISEASES OF DOGS.

[To the person who should discover a certain resportsmen in particular, would be very deeply ingood size, that made them the best distance horses sion that dogs are more apt to die of it than sluts; of their day. The fact is, that the Fearmoughts and that to the progeny of "Old Czar," the distemperature well all distances, and the old horse stood high-per had proved far more fatal than to any other fa-

so, but the impression may have arisen from a greater number of that family of dogs falling under his observation, in consequence of the great demand

From Johnson's shooter's companion, second cdition, London 1823, we shall extract all that is said on the diseases of dugs, and we earnestly invite the phin Arabian. Regulus, when six years old, won attention of sportsmen to these extracts, with a view their inefficacy exposed, according to the experi-Silvertail, the dam of Fearmought, was foaled in ence of those who may possess practical informa-Mr. Cook's Vixen, who was got by the Helmsley citous of procuring the best information—We have three most promising young dogs allicted with this Fearnought was imported into this country by odious disease at this time. Ed. AM. FARM.

THE DISTEMPER.

The distemper generally attacks a dog before he late Mr. Warren's invincible horse Carcless." Old has attained his first year. As a preliminary obser-Fearmought died in the fall of 1776, at the age of vation, it may be remarked, that the same membrane which lines the nostrils, extends down the windpipe into the lungs; and the distemper, in the first instance, may be regarded as an inflammation of this membrane; which, if not timely removed extends down to the lungs, where suppuration will soon be produced; when the animal's eye will become duli, accompanied shortly after with a mucous discharge, a cough, and loss of appetite. As the disease advances, it presents various appearances, but is frequently attended with twitchings about the head, while the animal becomes excessively weak about the loins and hinder extremities; indeed he appears completely emaciated and smells intolerably. At length the twitchings assume the appearance of convulsive tits, accompanied with giddiness, which cause the dog to turn round: he has a constant disposition to dung, with obstinate costiveness, or incessant purging.

On the first appearance of the symptoms which I have described, I should recommend the dog to be bled,* and his body opened with a little castor oil; this will sometimes remove the disease altogether, if applied the moment the first symptoms appear. If, however, this treatment should not have the desired effect, and a cough ensues, accompanied with a discharge at the nose, give him from two grains to eight of tartar emetic, (according to the age and size of the dog) every other day. Also a seton or blister on the side will be serviceable, if adopted prior to suppuration of the lungs taking place. When the nervous symptoms ensue, which I have already described, external stimulants (such as salammoniac and oil, equal parts) should be rubbed along the course of the spinal marrow, and tonics given internally, such as bark, &c.

There are few game-keepers, who will not tell you, that they can core the distemper; and assume an air of mysterious secrecy, if questioned as to the remedy; but they so frequently experience the inefficacy of their own receipt, as to place its infallimedy for the distemper in dogs-society at large and bility out of the question, and even to induce doubt as to its most remote propriety. Of the various remedies, the following was given with success to a dog, so afflicted as to be scarcely able to stand:

Turbeth's mineral six grains, mixed with sulphur, and divided into three doses, one given every other morning. Let a few days clapse, and repeat the

Another:—Calomel, one grain and a half, rhu-

^{*} The quantity of blood taken to be regulated by the

little opening physic occasionally.

I am not aware of any other remedies worth no-I prefer the last but one; but much will be found to and larvæ. depend on good nursing, and particularly to prevent the animal from taking cold.—From what I have wit-

It is very adviseable to inoculate for the distemper. If you can meet with a dog already afflicted, peared. take a little muscous from his nose, and insert it up the nostrils of your whelp, after having prepared him by a dose or two of syrup of buckthorn; if the animal does not take the disease, repeat the operation. By inoculating for the distemper, the disease pox, compared to what is called the natural mode of taking it.

A dog never has the distemper twice, nor does two years; but generally makes its appearance before the animal is twelve months old. A notion became prevalent a few years back, that by inoculating a dog with the cow pock, the distemper would

be prevented.

lar to that which is called the dog's distemper is produced, but in a very slight degree. What is most remarkable," adds Dr. Jenner "this inoculation renders them afterwards unsusceptible of that ken in the operation, no disease whatever will be effectually hindered further observation. produced; and when at length pustules have been any way resembling what is called the distemper.

The catalogue of dog diseases is extended in some publications to a puzzling length, where the clearness and perspicuity so preserable, indeed so essentially requisite, in a statement of cases, many of which are frequently doubtful even to the skilful quarters. and experienced. Young dogs are very subject to worms, and appearances thus produced are too ofappellations, and are treated in the most injudicious

One clove of garlic, given every or every other day, or according to the violence of the disorder.

MISCELLANEOUS.

NATURAL HISTORY

OF THE EGGS, LARVÆ, AND PUPÆ OF ANTS.

The exterior of ant-hills, their form and construction, have hitherto entirely occupied us: it was, however, necessary to commence by establishing the ants in their abode, previous to describing the rest of their labours. The object which will now evidently create some interest, is that solicitude the workers evince for the object of their charge, and the maternal attention they bestow upon them, from the period of their quitting the egg, to that of their complete developement.* Although several natu-

distemper, a table spoonful every morning, with a described the principal circumstances connected them at the bottom of the glazed box, which they with it, yet we are about to examine, under new re- did in such a manner, that it was easy to observe lations, the developement and education of these all their galleries, and the apartments to which they I am not aware or any other remedies worth no latter, the determinent that categories and the gamenes, and the apartments to which they tice, though a great many might be added, if we insects in their different states. The history of the led. I at length covered over the whole of the macould give credit to the stories retailed by dealers in egg, had entirely escaped their researches, as well terials, with a large bell-glass, in order that I might

nessed of Blaine's medicine I should not recommend the ant-hills, had but very rarely seen these insects their prison, I allowed them free issue from under was not so easy of accomplishment as at first ap-platform upon which it rested, taking only the pre-

midity, and regardless, as it concerns themselves, should they attempt to escape. of the several changes in the weather, evince the greatest concern for their little ones. For beings so delicately formed, they dread the slightest variawill be as much less severe, as the inoculated small tions of the atmosphere, are alarmed at the least that the ants continued to take care of the larvæ, danger which threatens them, and seem particularly anxious to withdraw them from our notice.

I was in my hist attempts continually disappointed, it ever attack him after he has attained the age of from the great repugnance they manifested in allowing the light to penetrate their abode: whenever I attempted to glaze their apartments, or to lay open to view any of their halls or passages, if they did not completely abandon them, they at least prevented me from following them in their in-door la-biting and ranging about the fields, and as I never The cow pock.—Dr. Jenner has asserted that, by bours. At one time they would darken, by a heap inoculating dogs for the cow-pock, a "disease suniof different materials, all the halls which admitted of acting, I concluded I could trust the results obthe light; at another time, as if conscious that the tained by means of my glazed apparatus. glass, notwithstanding its transparency, could guard them from the external air, and that nothing was from us the interior of the ant-hill, and let us see wanting to render it a true wall, but the power of what is passing there. affection." Dr. Jenner is certainly no mean autho- excluding that glaring light, at all times so disarity; but, having tried the experiment a number of greeable to them, they preserved entire all the galle-their spacious lodges; there, the larvæ are collected times, from what I have witnessed, I can assert, ries contiguous to it, taking the sole precaution of together, and guarded by workers. In one place, that unless much more than ordinary pains are ta- covering it over with a layer of moist earth, which we observe an assemblage of eggs, in another place,

Thus disappointed, I employed a method more raised, they have not been attended with symptoms simple, though more effectual.—I removed a portion of the ant-hill, and then placed over the remainder, a thin flat board, inclined to the south; the ants, attracted by the heat, brought their little ones to various ramifications or different stages of each dis- this place By removing this outside shutter or ment of her laying them; they collect them together, case receive a new name, in direct violation of that contrevent, I could ascertain the progress of their

I was often obliged to vary the means I employed; for the ants soon wearied by my visits, still ballled ten mistaken for other disorders, receive various all my cflorts, hy making a true wall of earth behind the contrevent. After having for some time manner. I shall finish this article by mentioning attended to the manners and habits of these insects, what I have been informed will cure the distemper; I found that we might accustom them by degrees, to forms. The smallest were white, opake and cylinbut I have been informed will cure the distemper, but I have never tied it; and am rather sceptical as to the fact:

One clove of garlic, given every or every other caution. What succeeded with me the best, was that of forming an oblong opening in the middle of served a sort of white oblong cloud; in some, a a table, and attixing underneath, a double frame, transparent point might be marked at the superior glazed on its two longest sides, and opened only at extremity; in others, a clear zone above and underthe upper part, which communicated with this aper neath the little cloud. The largest presented a ture. These frames, being furnished with shutters, single opake and whitish point in their interior. ture. These frames, being furnished with shutters permitted me, either to observe the ants, or to fa voor them in their taste for obscurity. This done, ably clear, as to allow of my observing very dis-I scattered all the materials of a nest of fallow ants

affection they evince for their young. This plan, from which we could not well depart, in speaking of insects that lead a solitary life, is not so natural, when treating of numerous and permanent republies, such as those of ants. It would have been difficult to have mentioned every circumstance connected with the reproduction of the species, before describing the interior of their habitations, and the method i found the most successful in my observations. The education of their young, being the chief end of all their labours, offers in part, a picture of the manners of these industrious insects. It is for *it would be perhaps more regular to speak of the this reason, the plan I now follow, appeared the best to

I have known whitening administered for the ralists have studied the metaniorphosis of ants, and upon the table, and left them at liberty to arrange could give credit to the stories retailed by dealers in each state of the recipes given, as several particulars in the history of the pupe witness the movements of my prisoners, as well inside as on the outside, and at the same time guard My predecessors, not having made use of a glazed against their escape. But when I saw they were apparatus, to observe what passed in the interior of accustomed to their fate, and did not seek to leave engaged in their household occupations; and this the bell-glass, and the liberty of running over the caution of plunging the feet of the table in vessels These insects, although possessing so little ti-filled with water, to arrest the ants in their passage,

> This apparatus, and several others of which the explanation would be long and tedious, had all the success I wished. I observed, with much pleasure, which proved, that in taking them, in some respects, from the state of nature, I had not too much disturbed them. This gave me reason to hope, that I should observe in its greatest extent, all the care

they took of the rising generation.

I did not, however, always keep to these artificial means. I compared, as often as possible, the conduct of my prisoners, with that of those ants, inha-

Let us now open the shutter, which conecals

Here, the pupæ are heaped up by hundreds, in some of the workers seem occupied in following an ant of a larger size than the rest;-this is the mother or at least one of the females, for there are always several in each ant hill:-she lays as she walks, and the guardians, by whom she is surround. ed, take up her eggs, or seize them at the very moand carry them in little heaps in their mouths.* growth, although the workers, on being disturbed. On looking a little closer, we find that they turn hastened to convey them to their under-ground them continually with their tongues; it even appears, they pass them one after another between their teeth, and thus keen them constantly moistened. Such is the first apercu, which my glazed apparatus offered.

Having directed my close attention to these eggs, I remarked they were of different sizes, shades and There were some whose whole body was so remarktinctly the rings. In fixing my attention more closely upon the latter, I observed the egg open, and the larva appear in its place.

Having compared these eggs with those just laid, I constantly found the latter of a milky whiteness, completely opake, and smaller by one half; so that

fecundation of auts, before making known the care and elucidate subsequent remarks .- A.

^{*}The eggs of ants are so remarkably minute, that there would seem an absolute necessity of their being held together by some glutinous matter, otherwise, it would render the removal of such small bodies in the mandibles of ants almost impossible; the mandibles being so constituted as not to be brought into that close contact necessary for this operation .- T.

up and the worms never quitted them.

Is it, then, to the care which the workers take in passing them across their mouths, that we must at- falls far short of my expectation. tribute the secret of their preservation? Do these same kind.

nated or mother fly, near the time of their being laid. The whole of those I took from the abdomen of the flics I killed, were remarkably small; it therefore appeared certain, that the egg would have increased, and indeed had increased, in the gall."

We are only in the habit of seeing eggs surrounded by a covering incapable of extension; but why is it that those eggs, which nature has enclosed, in a flexible membrane, do not increase? The envelope of the egg may, in this instance, be compared to the membrane which includes the human as is necessary without exceeding the requisite icetus, and those of quadrupeds.
(To be continued.)

ON MANUFACTURING INDIGO FROM THE INDIGO PLANT.

(From the New York Statesman.)

The consumption of indigo in this country fifteen years ago, was a mere trifle. At this time, owing to the great increase of manufactures, the annual purchase for domestic use cannot be less than from three to five millions of dollars, and it is probable that in ten years the demand will be doubled.

The manufacturing of indigo in the Southern states, to an extent at least equal to supply home consumption, would certainly be an object of great national importance. We have abundance of land calculated for raising the plant, and were our southern planters to turn their attention to the artiele, they would not so often glut foreign markets with cotton. I know that prime indigo can be made there, having during a period of thirty years bought

I had no reason to doubt of the eggs of ants receiv-several small lots, made in South Carolina, and the the process varies perpetually, even in the same cli ing a very considerable increase in size; that in clongating, they become transparent, but do not at this time disclose the form of the worm, which is always arched.

Several smail lots, made in South Caronna, and the process varies perpetually, even in the same creating a very considerable increase in size; that in Mississippi, of excellent quality. It is true the general run of indigo made in the Southern states is none but an experienced practitioner. In proof of this I have only to mention that in two of my own always arched. To be convinced of the truth of this statement, one or two lots can be made good, the whole may same day, and the same time of the day, I have I viewed these eggs with a microscope; I also mea- be, if the conditions necessary to make a perfect known the steepening eight hours longer in one than sured them, and having separated them from each article be observed. To obviate this difficulty, I in the other. I have known a similar difference in other, found the longest to be those only, in which have been endeavouring for two years past to col- one factory on two successive days, without any the worms were disclosed in my presence. If I re- lect information relative to the process of manufac- perceptible change in the climate, or any ostensible moved them from the workers, before they had at- turing indigo after the best and most approved cause to account for it. I have observed the same tained their full length and transparency, they dried manner. My object has been to collect instruction variety in the beating in different factories on the tions from practical men who have made the arti-same day, and in the same factory on successive cle in other countries; but the intelligence obtained days without any apparent cause. In such cases,

eggs require this humidity, or do they absorb a part blue on woollens, and of manufacturing Indigo from loss. of it, to furnish nourishment to the little worms they the plant, are similar in the most important points, contain? It appears at least highly probable; and differing mostly in the mode of producing the results, mere novice in manufacturing indigo, yet there is the observations of M. Reaumur, give weight to this The blue-dyer ferments the Indigo till it returns to nothing to alarm any enterprising person, or to preopinion. I have discovered in his writings, that a green state, collects the green colouring feculæ in there are other eggs, which also increase in size,—as the pores of the goods dyed, and causes it to oxi- has been accustomed to make any article in which those lodged in the galls of different trees, which are occasioned by Cynips*, or other insects of the phere. The maker of Indigo ferments the plant till mentative process there is ever an incertitude in the liquor becomes green, draws it off from the plant, the time of its coming to perfection—the brewer, "It ought not," says this exact and judicious ob-server, "to be passed by in silence, that the egg the sediment for the use of the dyer.—The blue-dywhich I found in the gall, appeared to be considerater, therefore, ought to have a tolerably correct idea of at any irregularity, it is only necessary for them bly larger than the eggs of the same species, when of the process of manufacturing Indigo, and may to be able to discriminate between a perfect and imthey proceeded from the body of the fly, or even be able to throw some light on the subject. On this when they are taken from the body of the impreg-ground I shall venture to give my opinion on those points in making of Indigo which are considered by manufacturers as the most difficult to perform correctly

There are three points to be attended to in making of indigo, which when observed by a manufacturer, cannot fail of producing a perfect article. These are the time of gathering the plant—the proper degree of fermentation when the plant is in all the minutiæ of the operations necessary to insure steep, and the supplying the fœculæ, after the liquantum.

I shall proceed to give instructions received from three sources. The first will contain directions from following interesting statement. Kirby Dalrymple, Esq. of New London, (Conn.) who was for many years an extensive manufacturer of indigo in the East Indies.

cover the plants with water. The liquor must be two bills before parliament, we believe to be, of the heated, not until it boils, but until it begins to blub- one to admit for consumption all the warehouse greenish, then draw it off into a shallow vessel or import, if and when the ministers shall judge advat, and beat for one or two hours to incorporate viseable, 4,000,000 bushels from abroad. In proas the head of a pin and smaller; then stop beating, 2,000,000 to 2,400,000 bushels, equal perhaps to and throw in a little lime water, upon which the infour or five days' consumption for Great Britain. natant water will look like brandy. The water has is equal to eight or ten days more.—The United now to be drained off to a level with the top of the States have never, we believe, exported in any one stiff enough put in moulds to dry."

The above process was sent me by a Mr. Rockreceived the following:

always hurtful to a young indigo planter. A few months practice will teach him more than all the books and instructions in the world. The truth is, England, for wheat sent there; and in order to as-

experience alone can lead to a successful result, and The processes of working the wood vat for dying where this is wanting, there will always be great

> This will appear an appalling description to the vent his making an attempt, particularly to one who the distiller, the wood dyer, have all experienced this. Those who follow such pursuits are not alarmperfect stage of fermentation, so as not to stop it too soon, nor permit it to exceed the requisite degree. Written instructions, therefore, pointing out the colour, smell, and other distinctive indications, assumed by the steepening liquor when the fermentation is complete, cannot fail of being serviceable to the young practitioner. The process of making indigo sent me as that of a Mr. Lediard's, which I shall give in the next essay, enters particularly into

GRAIN.

Farmers, millers and flour merchants, read the

The recent measures adopted in England for the admission of foreign grain, (for it is to wheat, rye and barley, that the term corn is applied in England, where they have not what we call corn) are, we observe, exciting attention in the agricultural "Cut the plant when in full flower, after the wea-ther for some days has been dry. Take an iron, to affect considerably the price of wheat here. It brass or copper boiler, fill it within three inches of may not perhaps be useless to inquire, how far the top with the plants, press down with stones, and such a result is likely to occur,-The purport of the ber, or simmer.—The water by this time will look corn now in the British ports, and of the other, to oxygen with it. On taking some of the liquor in a posing the first measure to parliament, Mr. Canwhite saucer, little particles will appear in it as big ning estimated the quantity of corn in bond, at from digo will precipitate to the bottom, and the super- The additional quantity which ministers may admit, natant water will look like brandy. The water has is equal to eight or ten days more.—The United sediment, lay the sediment on a cloth to drain, when year, over a million and a half bushels of wheat; though, in the shape of flour, they have exported equal to six millions of bushels. Perhaps the avewell, of Winchester. With a view of eliciting rage export from all the ports of the Baltic may be esmore particular instruction, in answer to which I that it shall be deemed expedient by ministers to admit from abroad 4,000,000 bushels of grain, it ap-"To attempt to define by rules, what is in itself pears that much more than that quantity may, takindefinite, would be an endless task, and would on- ing for our guide the averages of past years, be had ly lead to error, and I can assure you, from my own either from the Baltic or the United States. As experience, that books and written instructions are therefore there will be a competition, great profits

^{*} To these insects we are indebted for that valuable article of commerce, the gall-nut. The Cynips is furnished with a finely pointed instrument, with which it wounds the leaves and other parts of the tree, for the sake of depositing its eggs. The puncture of the leaves, further information I wrote to Mr. D—requesting time detections of bushels. Supposing tensor, further information I wrote to Mr. D—requesting time detections of bushels. Supposing tensor, further information I wrote to Mr. D—requesting time detections of bushels. Supposing tensor, further information I wrote to Mr. D—requesting time detections of bushels. Supposing tensor in the further information I wrote to Mr. D—requesting time detections of bushels. Supposing tensor in the further information I wrote to Mr. D—requesting time detection in the further information I wrote to Mr. D—requesting time detection in the further information I wrote to Mr. D—requesting time detection in the further information I wrote to Mr. D—requesting time detection in the further information I wrote to Mr. D—requesting time detection in the further information I wrote to Mr. D—requesting time detection in the further information I wrote to Mr. D—requesting time detection in the further information I wrote to Mr. D—requesting time detection in the further information I wrote to Mr. D—requesting time detection in the further information I wrote to Mr. D—requesting time detection in the further information I wrote to Mr. D—requesting time in the further information I wrote to Mr. D—requesting time in the further information I wrote to Mr. D—requesting time in the further information I wrote to Mr. D—requesting time in the further information I wrote to Mr. D—requesting time in the further information I wrote to Mr. D—requesting time in the further information I wrote to Mr. D—requesting time in the further information I wrote to Mr. D—requesting time in the further information I wrote to Mr. D—requesting time in the further information I wrote to Mr. D—requesting time in the further information I wrote to Mr. D—requesting time in the further information I wrote to Mr. D—requesting time in the further information I wrote to M &c. gives rise to those excrescences termed galls, which not only form the habitation, for a considerable period, of the infant insect, but serve it the whole time of its imprisonment for food. On examining the galls, some will be found to have an opening in them; these are they, from which the fly has escaped: others, that want aperture, will be found to contain the insect, either in its larva, pupa or imago state; for it appears these several changes, at least with some of the species, take place within the body of the gall .- T.

ments in parliament, of those who favoured the ny. It is said to be of the best quality, by good admission of foreign grain. It was computed by judges. them, that 64s. sterling per quarter, or 8s. sterling per bushel of 60lbs. for wheat, would be a fair remunerating price to the English agriculturist; and with a view to secure this to him, the duty on foreign wheat to be admitted, was graduated at 12s. per quarter, or 1s. 6d. per bushel. On these data a computation may be founded, by which to govern in some degree speculation from this country.-The present price of wheat here is

sterling, 4s. 6d. \$1, equal to Add for freight, Duty in England, . . . Expenses of shipping and commission on selling, .

Sterling, 7s. 6d.

But the price to be calculated on in England is only Ss. per bushel; leaving therefore but the chance of 6d. per bushel profit, against the risk of prices that may fall; but which it is the object of every regulation under which the importation is made to pre-vent from rising. This general result, which is be-lieved to be in the main accurate, is presented in the hope that it may spare some disappointments.

The gain in exchange is not computed-It may be set off against possible contingent expenses, three or four days past. which have not been taken into account.

[Am. D. Adv. July 4, 1826.

COAL TRADE OF THE LEHIGH.

The following statement exhibits the amount of the weekly shipments of coal from Mauch-Chunk to Philadelphia, during the present season, taken from the books of the Lehigh Coal and Navigation Company:

	• •				
We	ck ending	March	9	5 Boats	276 Tons.
	Do.		16	10 ·	540
	Do.		23	11	669
	Do.		30	12	693
	Do.	April	6	15	869
	Do.		13	15	887
	Do.		20	2)	1191
	Do.		27	18	1072
	Do.	May	4	19	1143
	Do.	5	11	23	1362
	Do.		18	16	925

Chunk to Philadelphia, commencing on the 3d of barley and corn will now revive. Wool is a drug March last, to the 18th inst. inclusive, is 9627 tons, no price can be obtained that will justify its growt or 269,566 bushels-being more than double the But if you to the south have suffered as much wi amount shipped from hence, to the same period of the drought as we have-wheat must improve

The business of the company is carried on with increasing energy, and from present appearances three weeks." it is reasonable to conclude, that one million of bushels will be sent down from Mauch-Chunk this

It would be well for our citizens to lay in their coal early, as by so doing they will avoid the confusion and delay which ensues at the commencement of cold weather, when the orders are very numerous. Another inducement is, that coal purchased now, is delivered free of expense for hauling, within the usual bounds.

The demand for Lehigh coal from abroad is very dattering, and heavy shipments are about being made to New York, Boston and other ports.

[Dem. Press.

certain this, it is necessary to revert to the state- Ohio, via Lakes, Grand Canal, and last from Alba [N. Y. paper, 3d June.

BALTIMORE, FRIDAY, JULY 7, 1826.

DEATH OF MR. JEFFERSON.

The following letter to the Editor conveys the only intelligence yet received, of the death of one of 1s. 0d. the most illustrious benefactors of his species that 1s. 6d. ever lived in any age. It will be seen that he lingered until the FOURTH INSTANT—as if Providence had spared him to reach the 50th celebration of that Declaration of American Independence and of free principles, which of itself would suffice to secure immortal renown to its author; and ther to expire amidst the grateful benedictions and ho sannas of a whole nation. The writer of the lette was a near and much esteemed neighbour and friend of the deceased.

> DEAR SKINNER, Chartottesville, July 4, 1826.

I give you a mere line, to say that Mr. JEFFER son expired to-day at 10 minutes before 1 o'clock It is an event which has been hourly expected fo

> PETER MINOR. Your friend,

25-A subscriber requests information respectin the effects of plaister of Paris as a manure for re clover or Indian corn. Also, the most approve quantity used to the acre, and the proper time for spreading it.

EXTRACTS TO THE EDITOR-DATED

Bayou Manchac, June 5, 1826.

"I believe I can with safety say, that the water in the Mississippi river never was so high since Noah's flood as it has been the 1st of this month but the weather has been generally dry; the seaso fine for the Mississippi bottom lands, so that or crops of cotton, corn, &c. all look well in this neigh bourhood at this time."

Auburn, N. Y. June 29, 1826.

"We have lately had fine rains in this part of the country, and nature appears to receive and rejoic From the foregoing it will be seen that the whole quantity of coal dispatched from Mauch stroyed very many fields. Hay will be light—oat

"P. S. Our wheat will not be fit to harvest th

Tobacco.—Inspections in the three State War houses during the last week:

213 hhds. No. 1, No. 2, 87 No. 3, 130-430

CONTENTS OF THIS NUMBER.

Thoughts on Agriculture, by Dr. Johnson-On usi Marsh Mud for Manure-Remarks on the constructi and management of Cattle Yards—Naotucket She-Shearing—Mr. Watson's Sheep Shearing—Treatment made to New York, Boston and other ports.

Weekly statements of the shipments of coal from Mauch-Chunk will be regularly furnished hereafter.

Seed Wheat—On Cabbages, Peas, Asparagus, Fruit, & —On the uses, properties, &c. of Milk, continued Mode of Dressing a Turtle—Annals of the Turf, N IV .- Diseases of Dogs, on the Distemper-Natural h tory of the eggs, larvæ, and pupe of Ants—On manufacturing Indigo, from the Indigo plant—On the Grain market in England—Coal Trade of the Lehigh—Death of Thomas Jeffcrson—Prospect of Crops.

Printed every Friday, at \$5 per annum, for JOHN S. SKINNER, Editor, by John D. Tor, corner of St. Paul and Market strects, where every description of Book and Job Printing is haudsomely executed. Nine hhds. of Tobacco arrived here on the 1st, market in England-Coal Trade of the Lehigh-Death in the tow-boat Dewitt Clinton, from the state of of Thomas Jefferson-Prospect of Crops.

	PRICES C	UR	RI	N	T.						
I			WHOLESA				RETAIL.				
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1	COFFEE, Java,			17	1	71		22	25 26		
	Havana, COTTON, Louisiana, &c.			12		13			40		
•	Georgia Upland,	_		10		11		- [
	COTTON YARN, No. 10,	_		30		- {		1			
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er	Susquehanna, superfi.	_	4				4	25			
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ec	Timothy Seed,	-	2			•	3	00			
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	HEMP, Russia, clean,	_	12		13		1				
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	LEAD, Pig	19		6		S			-		
e	Bar			2		23		62			
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AGRICULTURE.

THOUGHTS ON AGRICULTURE.

By Dr. Johnson.

(From the Visiter, 1756.)

At my last visit, I took the liberty of mentioning a subject, which, I think, is not considered with attention proportionate to its importance. Nothing can more fully prove the ingratitude of mankind, a than the little regard which the disposers of honorary rewards have paid to agriculture; which is treated as a subject so remote from common life, by all those who do not immediately hold the plough, or The natives of Lombardy might easily resolve to uncertainty of seasons. give fodder to the ox, that I think there is room to retain their silk at home, and employ workmen of I am far from intending to persuade my countrythe earth. I was once indeed provoked to ask a they have sagacity to discern their interest, and vi- have, at home, all that we can want, and that therelady of great eminence for genius, whether she knew gour to pursue it. of what bread is made?

I have already observed, how differently agricul-

among the other arts.

and having before declared, that it produces the fear either deprivation or diminution.

Of nations, as of individuals, the first blessing is tance, but by the product of our own land, improv-

ty is perishable or casual.

Trade and manufactures must be confessed often which labour must refine. to enrich countries; and we ourselves are indebted in the Western hemisphere. But trade and manufactures, however profitable, must yield to the cultivation of lands in usefulness and dignity.

with the contrary opinion, is one of the daughters of Fortune, inconstant and deceitful as her mother, certain plenty, and genuine dignity. she chuses her residence where she is least expect atick towns in ruins where perhaps the inhabitants other countries, there is nothing which corn and do not always equal the number of houses; but he cattle will not purchase. will say to himself, these are the cities whose trade

from us, or to sell to us. A thousand accidents may tribute of foreign countries, enjoy their arts or trea-

ed in different places.

sources of wealth, and superficial observers have or extending their traffiek. But there is no necesture was considered by the heroes and wise men of thought the possession of great quantities of pre-the Roman commonwealth, and shall now only add. cious metals the first national happiness. But Euthat even after the emperors had made great al- rope has long seen, with wonder and contempt, the some other regions! Such vicissitudes the world terations in the system of life, and taught men to poverty of Spain, who thought herself exempted has often seen; and therefore such we have reason portion out their esteem to other qualities than use-from the labour of tilling the ground, by the contrade, which are not, in my opinion, always true; and was taught by the polite and elegant Celsus ever, has taught even this obstinate and haughty and many imputations of that decline to governors nong the other arts.

The usefulness of agriculture I have already be the transmitters of money, but can never be the sometimes calumnious. But it is foolish to imagine, shewa; I shall now, therefore, prove its necessity: possessors. They may dig it out of the earth, but that any care or policy can keep commerce at a must immediately send it away to purchase cloth or stand, which almost every nation has enjoyed and chief riches of a nation, I shall proceed to shew, bread, and it must at last remain with some people lost, and which we must expect to lose as we have that it gives its only riches, the only riches which wise enough to sell much, and to buy little; to live long enjoyed it. we can call our own, and of which we need not upon their own lands, without a wish for those things which nature has denied them.

independence. Neither the man nor the people kind of agriculture. We have, in our own coun-woods which our ancestors have planted. It is well can be happy to whom any human power can deny try, inexhaustible stores of iron, which lie useless known that commerce is carried on by ships, and the necessuries or conveniences of life. There is in the ore for want of wood. It was never the deno way of living without the need of foreign assis- sign of Providence to feed man without his own when I travel over naked plains, to which tradition concurrence; we have from nature only what we has preserved the name of forests, or see hills arised by our own labour. Every other source of plen- cannot provide for ourselves; she gives us wild ing on either hand, barren and uscless, I cannot

to them for those ships by which we now command scarce; and they are scarce, because the mines when I think on the time, a time at no great disthe sea, from the equator to the poles, and for those that yield them are emptied in time. But the sur- tance, when our neighbours may deprive us of our sums with which we have shewn ourselves able to face of the earth is more liberal than its eaverns, naval influence, by refusing us their timber. arm the nations of the North in defence of regions The field which this autumn is laid naked by the sickle, will be covered, in the succeeding summer, ed; and by agriculture alone, can we live in plenty by a new harvest; the grass, which the cattle are without intercourse with other nations. This, theredevouring, shoots up again when they have passed fore, is the great art, which every government Commerce, however we may please ourselves over it. Agriculture, therefore, and agriculture ought to protect, every proprietor of lands to pracalone, can support us without the help of others, in tise, and every inquirer into nature to improve.

Whatever we buy from without, the sellers may ed, and shifts her abode when her continuance is in refuse; whatever we sell, manufactured by art, the appearance most firmly settled. Who can read of purchasers may reject; but, while our ground is cuthe present distresses of the Genoese, whose only vered with corn and cattle, we can want nothing; choice now remaining is, from what monarch they and if imagination should grow sick of native plen-shall solicit protection? Who can see the Hanse-ty, and call for delicacies or embellishments from ty, and call for delicacies or embellishments from

Our country is, perhaps, beyond all others, proenabled them once to give laws to the world, to ductive of things necessary to life. The pine apple whose merchants princes sent their jewels in pawn, thrives better between the tropicks, and better furs from whose treasuries armies were paid, and navies are found in the northern regions. But let us not supplied!—and who can then forbear to consider envy these unnecessary privileges. Mankind cantrade as a weak and uncertain basis of power, and not subsist upon the includencies of nature, but wish to his country greatness more solid, and felicimust be supported by her more common gifts ty more durable?

They must feed upon bread and be clothed with It is apparent, that every trading nation flourish wool; and the nation that can furnish these univer- MR. PRESIDENT, es, while it can be said to flourish, by the courtesy sal commodities, may have her ships welcomed at of others. We cannot compel any people to buy a thousand ports, or sit at home and receive the

accidental improvement, or natural advantage may state of other countries, that the vineyards of pricure a just preserve to their commodities; as France are more than an equivalent to the mines of experience has shewn, that there is no work of the America; and that one great use of Indian gold, and hards, which, at different times, is not best perform- Peruvian silver, is to procure the wines of Cham-In different places.

Fraffick, even while it continues in a state of always rising on the side of France, who will cerpresperity, must owe its success to agriculture; the tainly have wines, when Spain, by a thousand acmaterials of manufactures are the produce of the cidental causes, may want silver. But surely the earth. The wool which we weave into cloth, the wallies of England have more certain stores of wood which is formed into cabinets, the metals which are forged into weapons, are supplied by na- duets of France have not always been equally crime often charged upon them, and often denied, twe with the help of art. Manufactures, indeed, esteemed; but there never was any age or people and profitable manufactures, are sometimes raised that reckoned bread among superfluities, when once from imported materials, but then we are subjected it was known. The price of wheat and harley sufa second time to the caprice of our neighbours, fers not any variation, but what is caused by the

question whether a great part of mankind has yet their own to weave it. And this will certainly be men to quit all other employments for that of mabeen informed that life is sustained by the fruits of done when they grow wise and industrious, when nuring the ground. I mean only to prove, that we fore we need feel no great anxiety about the Mines are generally considered as the great schemes of other nations for improving their arts.

There is some danger lest our neglect of agriculture should hasten its departure. Our industry has Mines are themselves of no use, without some for many ages been employed in destroying the fruits, which art must meliorate, and drossy metals, forbear to wonder, how that commerce, of which we promise ourselves the perpetuity, shall be con-Particular metals are valuable, because they are tinued by our descendants; nor ean restrain a sigh,

By agriculture only can commerce be perpetuat-

JUMPING PLOUGII.

Washington, Mississippi, May 6, 1826.

In pursuance of a resolution of the Board of Directors of the Adams Athenæum. I have the honour to enclose to you, an Address delivered before said institution, the 27th ult., together with the annexed drawing of the "Jumping Plough," by Col. B. L. C. Wailes; which you are requested to publish in the "American Farmer."

Very respfilly, your most obed't serv't, JAMES SMITH, Corres. See'ry. To the Editor of the .Im. Farmer, & Bultimore.

Adams Athenaum-27th April, 1826.

Having recently examined an agricultural implement, not generally known, and but recently introduced into our state; one, in my opinion, of great prejudice them in favour of our rivals; the workmen sure up their gold.

of another nation may labour for less price, or some lt is well known to those who have examined the would not prove uninteresting. I refer to the Jump-

No. 17. -vol. 8.

size preceded by a strong coulter, somewhat of a sabre form, affixed to the beam in an inverted position, or inclining backwards and touching, nearly, the point of the shovel, and penetrating the ground of cane roots with which most new ground in he that it would probably be most exempt from the efrather less than an inch below it. The annexed western section of this state abounds; much more fects of the Hessian fly. In this county we seed with the relative preparties of its dif- so than two voke of oxen and a bar-share plough. sketch exhibits the relative proportions of its dif-ferent parts, the principal of which are as follow.

two feet three inches; from the bottom of the beam to the top of the shovel, nine inches; shovel fifteen hoe, will produce almost as abundantly as by any gree of injury we sustain. A cold, moist, and what is inches long, twelve inches wide; handles four feet; other process of cultivation. coulter twenty-three inches; rod eighteen inches in length. This plough is designed for breaking up whether it be a late invention, and whether it is in season it gets such a growth and such strength beand cultivating newly cleared land, and is admirably calculated for this purpose. The position of I am rather inclined to believe that we are entitled the coulter and its consequent motion through the to the credit of the invention. ground, enables it readily to sever all smaller obstructions to its progress, whilst those of a firm and in new land, wherever known. unyielding character raise it until the impediment is surmounted, when it plunges again into the ground Adams county, Mississippi.

With two horses this plough will break up toroughly, and with ease, the almost impervious nat

By whom it was first introduced into the state,

B. L. C. WAILES.

JUMPING PLOUGH. Scale of Fect. 12 inches. 23 inches.

RARE RIPE WHEAT.

Talbot county, July 6, 1826. MR. SKINNER,

You may recollect, that a few years past, I wrote to you to ask the favour, that you would make an was still cultivated.

three or four years immediately preceding. The injudicious and unreasonable.

Like all the other wheat, my early wheat was progreturate wet season just before and during har
The ruinous destruction of the wheat crop by the much injured by the weevil fly in the stack, and as I unfortunate wet season just before and during har-

vest in 1804, affected this wheat particularly, because it ripened earlier than the other kinds, and was, on that account, more exposed at a critical period to the destructive influence of the wet. All gressed, unaffected to all appearance, and truly too, wheat was excessively injured that year by wet, but by the fly, and made as good a crop, considering inquiry among your numerous correspondents, for the early wheat, from the cause I have mentioned, some of the "Early, or Rare ripe Wheat," as it is most of all. This wheat was then universally concelled; and notwithstanding your kind exertions you demned, and has never been cultivated in Macalled; and notwithstanding your kind exertions you were unable to procure it, or to learn whether it was still cultivated.

This whether it was never been cultivated in Macould have been expected. I reaped more than twelve bushels to the acre. The seasonable month the last three years. Upon reflection I was peras still cultivated.

I grew that wheat twenty-two years ago, and for suaded that this sudden rejection of that wheat was fected wheat.

ing Plough, as it is termed. It is simple in its con- and pursues its course, throwing the earth on both Hessian fly, has produced the necessity for a most struction, being merely a shovel plough of large sides and leaving a deeper and wider track than he active inquiry and exertion to elude its raveges and my petition to you to endeavour to procure the carly wheat, was founded upon a conviction, derived from a knowledge of the character of that wheat, It is particularly serviceable in planting the first in autumn, by commencing after the first week in Length of the beam four feet; helve of the shovel crop in cane land, and cotton sown in a single October—but we are altogether dependent upon trench made by it, raked in and cultivated with the the course of the weather in the spring, as to the decalled a latter spring, affects the progress of wheat less than that of any other plant, and in such a It cannot fail to recommend itself to general use, been proper attention to manuring and cultivation. A very forward, warm and genial spring is almost uniformly destructive to the wheat crop, because it brings the fly into existence and action much earlier. and causes its depredations to be commenced upon the wheat plant in that stage when it is younger, smaller, and weaker, and of course less capable to resist or to bear them.

Generally speaking, the first effect produced by the fly in the spring, is visible from about the 20th of April to the tst of May, according to the season; and that injury is continued for two or three weeks, when the insect arrives at that stage when its destructive influence ceases to be felt, and the wheat plant has from that time until about the 25th of June (the ordinary period of wheat harvest with us.) to recruit and to mature.

Upon these facts I reasoned in relation to the early wheat. This wheat bears late seeding as well or better than any other sort of wheat, and is least of all subject to rust or scab: few instances, if any, are known, when it ever suffered from rust. It can be used, therefore, with a certainty of avoiding the autumn fly; it is always forwarder than any other sort of wheat in the spring by at least ten days or a fortnight, and becomes jointed by the time the Hessian fly first makes its appearance. In that state the young fly can make but little impression on it; it is too far advanced to suffer from its depredations.

Two years ago, I fortunately procured five bushels of this early wheat from a kind friend who had obtained it the year before from the state of Delaware. My friend's wheat was seeded in a piece of good land, and I had an opportunity of seeing it frequently from the time it was seeded (early in October,) until harvest, and I carefully marked its progress. The Hessian fly did not affect it at all. On the 1st day of May it was strongly jointed and produced a beautiful crop. The effects of the fly in all other wheat were very visible and much felt. I seeded my wheat the following autumn about the 3d of November, the last of my crop; the ground wet and heavy and in a bad state. The wheat came up badly, as might have been expected; looked ill during winter, and grew off in spring puny and not much to my satisfaction. The attack of the fly was rather early and severe last spring, and I thought if it could injure the early wheat, it had the best possible chance to destroy mine, which was unusually weak and unpromising. Whilst was unusually weak and unpromising. other wheat suffered, the early wheat regularly prothe unfavourable circumstances under which it was seeded and its bad aspect during the winter, as

Like all the other wheat, my early wheat was

last, that I might the better clean up and keep it seeson, which curtailed our crops of small grain, make its progress less distressing; and, by removing separate from all other kinds. Being longest in clover, meadows, and indeed every thing else—we the bitter exudation naturally deposited on the nip-stack it was most affected, for I did not get it out have been visited by one of the greatest and most ple, facilitate the suckling's first exertions at obtainuntil the first of September. I ought to state too destructive freshets ever known in this part of the ing the vital fluid destined for the nourishment of its that this early wheat was nearly a fortnight sooner in stack than any other wheat. That it was not injured by the storm of the 4th of June last year, I count nothing on, as the occurrence of the storm the wheat and other small grain on all the low of cold.

and the period it came, were accidental things. All grounds of the rivers and creeks, has been swept may now the other wheats happened to be in blossom at the off-the tobacco also carried away or buried uptime of that storm and suffered; the early wheat the corn broken down and ruined; fences swept off,

superior to my expectations from it, when I recolyear, (1826,) the spring season was favourable for main, wheat of all kinds; but the drought then commencing, the destruction of the fly has been great. My early wheat was uninjured by fly this season; other wheat near to it, and seeded after it, was a good deal injured; other wheat again, seeded at the same Sin, time, in a different field, was much destroyed. I commenced harvesting this wheat this year on the 9th of June, and secured a good crop from the weather came on.

From my former knowledge of this wheat, and from the experience of the two past years, I am persuaded it is the wheat that will not only most trequently escape the effects of the Hessian fly, but that it will hardly ever be injured by it.

well, because the head is short; yet it ought to be tribution. remembered, that no wheat head is so well filled generally, and we seldom find any wheat that averages better to the acre or to the stack. When the old white wheat succeeds, or the blue straw, I believe no wheat yields so abundantly; but the early wheat never fails to give you good grain, from its early maturity. It depends, of course, like other wheat, for its product, on the quality of the land and the season. But I believe it will average more pounds of grain in any given number of years, upon the same land, than any other wheat that we know of. It is thought, too, by some, that this wheat is a tender species. Of this I have no evidence, but the opinion of those who assert it, some of whom are entitled to much consideration from their intelligence and experience. I am satisfied that since our late improvements in agriculture, by manuring, and draining, and better cultivation, our country i better adapted to this wheat now than before; and I (as all wheat lands ought to be.) whether stiff or us. As Maryland must be a grain country, I have stated these facts, and thrown out these suggesthis wheat, in order that all may receive the benefit, if my opinions should be proved to be correct. growing persons. AGRICULTOR.

DROUGHT AND FRESHET IN VIRGINIA.

J. S. SKINNER, ESQ. Albemarle, Va., July 1, 1826.

desired to keep it pure, it was kept in stack to the the greatest droughts ever known so early in the tribute much to accelerate the secretion of milk. liad passed through that stage and fortunately mill dams broken—and many mills and saw mills escaped. The grain was fine and heavy. entirely carried off, and the lands much washed in I seeded this wheat again last autumn, from the the cultivated fields. The loss of crops on James' Ist to the 20th October; but owing to the weevil river, from Lynchburg to Richmond, will be implied the first came up badly. The failure this season in the wheat crop from defective seed last autumn is not less than \$1000, hesides the loss of soil. The very general. Being absent from home during the wide extent of this calamity must be seriously felt winter, I did not see this crop on the ground from for some time in Virginia. I have not yet seen any the 24th of December until the 10th of March fol- of the Richmond papers since the freshet, but antilowing, when, although not very fine, it was greatly cipate gloomy accounts. But these are occurrences to which we must submit with resignation and forlected the appearance it presented when I left home titude, double our diligence, and hope for better in December previous. Up to the first of May this times. Wishing you health and prosperity, I re-Your obed't serv't,

WM. WOODS.

PLANTING TUBE-INQUIRY.

Cincinnatti, Ohio, June 27, 1826.

In your last number (13, vol. 8,) Mr. James Williams speaks of, and partly describes, a planting tube, admirably adapted for saving the back. Will ground before the general harvest and the wet he please to inform us farther of what material this tube is made? Of tin or wood? If the fatter, of what kind, and must we not go to the turner's lathe for it? I wish to get one, although I know a sly old neighbour who will say, when he sees it, that "lazy folks always take the most pains." As the culture of silk appears to be agitated. I can send you, if you It has been thought that this wheat will not yield request it, any quantity of eggs for gratuitous dis-

Yours, &c.

TELLUS.

LADIES' DEPARTMENT.

NUTRITION-FOOD.

(Continued from p. 124.)

With the force of all these observations, it is intended to impress strongly on the minds of parents, the importance of the following practical conclusions: that, the maternal milk is the natural food of fections of the eyes; -- insuperable watchfulness durinfants; that mothers, except for the most urgent reasons, ought never to renounce the delightful duty of suckling their own offspring; that the first milk constitutes the best nourishment and the best medicine for a new born child; that next to the mother's in suitableness for the object, is the milk of a healthy nurse whose own child's birth was, as nearly as am further satisfied, that upon all dry wheat lands, possible, coëval with that of her nursling:-that after these, stands what is furnished by the cow or light, it will be found the most productive wheat other animal in whom it retains properties approachgenerally, as long as the Hessian fly remains with ing to that of human milk:—and that, as milk is favourable to the perfect development of the teeth and bones, and indeed of the whole animal econotions, to induce others to make fair experiments on my, it ought to enter, in proportions appropriately varied, into the diets of all infants, children, and

Preparatively to putting her young one to suck for the first time, which may be in three or four hours after its birth,-the mother should have her breasts carefully fomented,—primarily with tepid water and soap of the blandest kind,-and then with Dear Sir,-You no doubt will have heard, before a lotiun composed of milk and water in equal pro-

Without changing her attitude, the babe may now be admitted to her breast, and will, in general, begin attempting to suck. If, however, it be listless and reject the nipple,* it ought to be withdrawn, so as to not disquiet or exhaust the parent with its refusals or unavailing efforts:-but, in a short time, a new trial of its inclinations may be supported with pillows, and secured by proper coverings from sustaining injury by the influences of external air.

Infants, at the beginning, are able to obtain but little milk:-this little however, is of the highest use for promoting objects in them, which have already been explained. In each successive endeayour, from its exciting the nerves and vessels of the breast, the supply becomes more copious, and they imbibe it in greater abundance and with the greatest ease:—in the end, it constitutes a most delicious fare on which they feast with advantage and delight.

Notwithstanding its being the natural and positive duty of all mothers, under ordinary circumstances, to suckle their infants, yet such reasons may exist or be induced, with regard to some individuals, as shall render their engaging in the discharge of this duty either impracticable or improper. Such mothers, however desirous, cannot therefore undertake the charge of suckling, who have the organization of their breasts naturally imperfect, or injured by the effects of accident or disease;— because, both these states give rise,—to defect in the milk's quantity or quality, sometimes to its total absence,-to undue contraction of the mammary vessels, with consequent difficulty to the child, of sucking them,—or, to faulty relaxation, inducing both a want of power in them to retain the secreted milk, and a constant involuntary extillation of it from the nipples. Others, after naving attempted it, will require to discontinue nursing when they find it proving injurious to their own health. by occasioning pains in the back, loins, and chest,cough, panting, and uneasy breathing, -head-ache. failing of the sight, with inflammatory and other afing the night,—and loss of appetite, thirst, slowness of the bowels or their excessive freedom, and similar symptoms of impaired digestion.

Very few females have constitutions naturally so weak and feeble as to incapacitate them for enjoying the delights of suckling their babes. Has not such a mother already been able, without injury to her health, to furnish from her own system the incessant supplies required for the nourishment and growth of the new one throughout all its fætal age? Many, the most delicate and despondent, are daily seen to remain quite vigorous and happy so long as they continue employed in the performance of this

^{*}Defect in the size of the formation of the nipple, is described as having sometimes been observed; and various mechanical contrivances, or its being sucked by an adult or an older infant or even by a lamb, have been recommended as appropriate remedies:-but, this is a defect which must be regarded as being almost universally rather imaginary than real; and, when unnenessary attempts at supplying it are instituted, they are calculated to injure the delicate orgao on which such this reaches you, of the late disaster which has happened to a great portion of the farmers and planters of Virginia. After having experienced one of Such means, notwithstanding their simplicity, con-

interesting office. Observation of surh a fact, then, would suggest the propriety of every one engaging, at least, in a trial of her powers:-but, this may be discontinued so soon as she finds herself unequal to the task of furnishing enough of healthy milk, or of undergoing the cares and fatigue inseparable from her charge.

Mothers who resolve on rearing their progeny with the maternal milk, ought to form an unyielding resolution of denying themselves the enjoyment,-if there be such a thing in nature,-of every pleasure and amusement which may lead to personal or mental exhaustion. Irregularity of all Respectfully inscribed to the Amateur, the Sportsman kinds,-excessive indulgencies, by whatever name they may be called, -intemperance under every ify themselves, should be transferred to the management of a faithful nurse.

tritious,-because her blood is insalutary in proportion as the organization of her lungs has suffered from the depredations of disease.

(to be continued.)

WASHING SALADS.

paper on the best modes of washing water cresses celebrity, that his last proprietor left him a length carry weight. I owned some of the best of his and other salads, so as to free them from the larvæ of time at Tattersal's for the inspection of the colts. Bellair and Calypso 1 bred; Grey Dioof insects and worms. The method is very simple, public. and consists in merely placing the salad in salt water or sea water, for three or four minutes, which sister to Papillon, the dam of Sir Peter Teazle, the mances on the turf. I have reason to hold Medley water or sea water, for three or four minutes, which is sufficient to kill and bring out the worms, after which the vegetables are washed in fresh water in the usual way. The information is brought out in the proper time, just after the salad season commences; and as all salads are subject to insects, and many of them inconceivably small, the hint, as a matter of cleanliness, is worthy of attention.

Sixter to Papillon, the dam of Sir Peter Teazle, the mances on the turi. In a many of the worms, after which the vegetables are washed in fresh water in England.) Medley acquired his beautiful in grateful remembrance. "As respects Bellair, he was strong built and rathered to the remarkably fine boney legs, rather above 15 hands. I do not think his bottom was surpassed by any horse on record; if his time." Medley was imported to this country by Malcomb Hart, in the year 1785. Among many success. When he ran with Mr. Randolph's Gim-

SPORTING OLIO.



(From the Petersburg Intelligencer.)

ANNALS OF THE TURF-No. V.

and the Breeder of the Virginia Turf Horse.

shape and in every degree, all indeed, in social or as among the most remarkable and valuable that racers and broad mares, and as being decidedly the domestic life, that conduces whether immediately have ever signalized themselves on a Virginia race best bred son of his distinguished sire. Bellair or remotely to depress the mind or exalt the pas-course. This stock of horses lacked nothing but partook of the best blood that has been highly vasions, is absolutely incompatible with the tranquility size to have made the best racers in the world; and lued in Virginia, viz: of Morton's Traveller through of that equal and scdentary life which the duty of yet their want of size was not manifested on the Yorick, Fearmought, Partner, Mark Anthony, &c. suckling infants demands. If there be such mothers, turf, as their ability to carry weight exceeded that Col. Tasker's famous running mare Selima, that then, who are unable to seelude themselves from of any other stock; they were also more remarka- was the dam of Partner, was the great grandam of such engagements or resist the incentives to such ble for good wind or bottom, for fine limbs and good Bellair; and I will here take occasion to correct an practices, it is in all respects proper that the pious eyes than other races of horses which have been bred error in the pedigree of this celebrated mare, as it labours, for which they thus ungenerously disqual- in Virginia. These qualities resulted in this stock has prevailed for more than thirty years in all the (and were more peculiar to them than to any other,) published pedigrees which I have seen of Bellair. from the close proximity of the points of the hips Col. Tasker's Selima is represented to have come Various and discordant sentiments have been en- to the shoulder, from the uncommon solidity of out of a mare called Snap Dragon, by Snap; this is tertained on the question, -whether females having their bones, the close texture of their sinews, and a manifest error: the Godolphin Arabian, who sired the consumptive taint ought to become nurses, the hulk and substance of their tendons, which allow, it has been asked, can an infant possibly sus- ways enabled them to carry the highest weights did not commence covering until six years old; tain injury from sucking milk secreted from the and to endure the greatest stress on their bodily hence the first Snap mares were not foaled till 1757, blood of a being, by whose blood alone and with powers. To these qualities may be added their four years after the Godolphin was dead. Colonel out the intervention of other agency, the elements uncommon purity of blood, derived from their sire Tasker's Selima was bred by Lord Godolphin, and of its feetal existence was furnished, and, in the end, old Medley, who was one of the purest blouded come out of a mare by old Fox, that was the dam

that, though many of the worst symptoms in a was a grey, and called the "little grey horse Gim- grandam of Selima by Flying Childers-Makeless phthysical woman do subside during her pregnancy, crark," foaled in 1760, got by Cripple, a son of the they all re-appear, and often in an aggravated form, Godolphin Arabian. Gimeraek was one of the seimmediately after that condition has terminated verest running and hardest bottomed horses that Her lungs fast decay, her strength sinks, her person ever ran in England; although small, yet his ability much of the blood of old Medley and Bellair as becomes emaciated, she gradually ceases to desire to carry weight was very great, for he frequently possible, to give their stock firm limbs, very much or properly digest food, and her infant, however gave the odds as high as 28 pounds, and he connected at this time, as the Virginia race horses of healthy in appearance, forthwith begins to exhibit tinued on the turf until 11 years of age, thereby the present day train off the turf too early.

Signs of suffering from griping pains, or from ac shewing his uncommon hardiness of constitution. The following letter, appropriate to the present cessions of nervous agitation, which have been and firmness of limbs—qualities which he richly known to become permanent. For the purpose of transmitted into the veins of Medley. Gimerack at preventing the affections so often consecutive to 4 years old won seven 50l. plates, 4 miles; also in nia, now of Washington city, will conclude the childbirth, such mothers may lose their milk for one 1765, at 4 miles, 50l.; also 1000 guineas, 250 gui present number: that a young one of the sheep or dog should be Drone, 4 miles, for 500 guineas, giving him 21 lbs.

employed in this office:—but, for her infant's sake In 1766 he was sent to France, and 1767 returned Medley and such of his stock as I have owned, can as well as her own, no woman having a decided ten to England, and won in that year four 50l. plates, he of service to you. Old Medley was imported dency to consemption ought to undertake the charge 4 miles. In 1768, two 50l. places and the silver into this country about the year 1785; was owned of suckling a child The vitality of blood is man-bowl. He beat Mr Vernon's Barber for 300 gui-by Mr. Malcomb Hart, and stood at Hanover Court-tured in the lungs, and the milk's perfection dences, giving him 28 lbs in 1770 He beat Lord house. He was one of the most beautiful horses I pends much on the purity of the blood; consequent-Rockingham's Jacko for 3000 guineas, giving him ever saw; I cannot at this remote period pretend to by, the milk of a consumptive nurse cannot be nur 28 lbs.; also Lord Rockingham's Pilgrim for the describe him, further than he was a grey horse of whip and 200 guineas, the whip equal to the gui-neas. Gimcrack was then ten years of age. Eari Grosvenor had two portraits taken of Gimcrack: the best horses ever imported into the United States, In the first number of the "Gardener's Magazine," iron grey of his youth, and the hoary white of his rally small; but their limbs were remarkably fine, conducted by Mr. London, and just published, is a old age. Gimerack had acquired such fame and they were distinguished for their ability to

other distinguished racers and stallions. Medley got the following, viz:

Boxer, out of a Fearnought mare. Opernico, out of a Lindsey Arabian marc. Quicksilver, out of a Wildair. Young Medley, out of a Blue and all Black. Melzar, out of a Wildair. Lamplighter, out of a Longsdale.

Fitz-Medley, out of a Dandridge Fearnought mare.

Gimcrack, out of an Ariel. Bellair, out of a Yorick.

Bellair may justly be distinguished as the best son of old Medley, not only as being upon an equa-The stock of old Medley may justly be ranked lity as a racer, but as having got more fine stallions, favourably perfected? Experience, however, re-horses ever bred in England.

solves the difficulty by presenting instructive facts. Gimerack, the sire of Medley, was one of the and also of the celebrated running horse Weasel, to the consideration of mankind. It is well-known most remarkable horses of his day in England. He that was the property of Lord Rockingham—the

that of Gimerack preparing to start is reckoned ex-cellent of its kind. The two portraits, it is said, cidedly the best we have had. His colts were the represent this horse in different shades of grey; the best racers of their day, although they were genemed and Quicksilver I purchased from the pro-

crack, he was in excessive bad order, after a long a quantity of worms: but it can never be depended him immediately after the race.

A FRIEND TO THE VIRGINIA TURF HORSE. N. B Having given an account of Col, Tasker's imported mare Selima, it may not here be improper to add that of Carter Braxton's imported mare Kitty Fisher; as those two mares bred more fine stock in Virginia than any other imported mares brought to this country; it being well known to the sportsmen and breeders for the turf, that some of the highest formed racers and stallions bred in that

state were descended from those two mares Kitty Fisher was a grey mare, foaled in 1755, and imported by Carter Braxton in the fall of 1759. She was bought by Mr. Braxton, at New Market, England, in the spring of 1759, being then the property of the Marquis of Granby, and stood at the time engaged in a sweepstake for 3600l. for 3 years old fillies; but the Marquis being abroad with the British armies, he was allowed to withdraw himself from his racing engagements, and directed all his running stock to be sold. At the sale she was purchased as above, and sent over to this country was got by Cade, (one of the finest sons of the Godoiphin Arabian,) her dam by the Cullen Arabian, out of the famous mare Bald Charlotte. [Bald Charlotte was a high bred mare, of the finest form. and winner of King's plates]

Kitty Fisher was trained in this country and run,

and won easily, several matches. (To be continued.)

DISEASES OF DOGS. WORMS.

produced by short thick worms, which occasionally breed in prodigious quantities in the animals sto-mach and intestines This, and what is denominatly; as the disorder increases, his appetite in a great sleep soundly:-

Take of calomel, six grains; Common soap, two scruples;

made into two bolusses, one of which to be given at night, and the two other the following morning: af. any thing. This is a vast benefit; for, as it does days more, give the following:-

Extract of coloquintida, two seruples:

made into three bolusses and one given every morning: on the fourth morning, give the animal a table spoonful of syrup of buckthorn. If the worms should not be entirely destroyed in a little time, repeat the course.

Dogs are often troubled with large worms, which, without medicine, are occasionally voided singly or in clusters. Their existence may be known by the dog's voracity and leanness. The best remedy is the preceding, though the following may probably answer the purpose:-

Calomel, three grains; Jalap, twenty grains;

Golden sulphur of antimony, four grains;

mixed up with butter or lard into one dose. Three of these doses to be given-one every other morning.

A table spoonful or two of linseed oil given the first thing in a morning will frequently bring away

journey in bad weather from Maryland. They ran on as an effectual remedy for the following reason:three 4 mile heats, in each of which Bellair mended, upon the linseed oil being swallowed, those worms and was not beat far. I refused 500 guineas for with which it comes in contact, that are not fastened on the intestines, but loose as it were, in expec-"I concur with you respecting the old Virginia totion of food, will be brought away; but such as stock, which should not be lost." found so situated) stick like leeches, and thus prevent the effects of the oil. There is nothing so affectual as calomel. Calomel administered externally, in tolerable plenty, upon the human subject, locust as with the beetle, for at the time when the will destroy worms in the stomach.-If the worms former made their appearance, my attention was are situated near the anus, the calomel may be so completely absorbed, when taken inwardly, as to lose its effect before it reaches that part; some to-bacco smoke blown up the anus (which may be ea-sily done by inserting the thin end of a pipe) will sure, during the interval, two other kinds of the lose its effect before it reaches that part; some tobacco smoke blown up the anus (which may be eamost completely destroy these noxious vermin, and same species, differing only in size and colour, and they will be voided most likely, in prodigious num-

> would equally apply in this place, respecting the nu-merous remedies prescribed for the same disease. merous remedies prescribed for the same disease, that of destroying any green thing by their num-What are mentioned throughout are such as will be bers and voracity, it will not be necessary to speak found to answer the purpose; and to give a number of them, for the history of one is the history of all. of doubtful and ineffectual recipes, for the sake of making a long list, or giving a false air of importance to the subject, would be as perplexing to the the night, and fastened their case or shell in the reader, as it would be contemptible and even dishonest, in the writer.

However, for worms, generally speaking, the folthere are few cases which it will not effectually cure-take

Linseed oil, half a pint; Oil of turpentine, two drachms;*

repeat the dose, if necessary.

The leaves of the walnut tree, General Hunger informs us are an effectual remedy for the worms. 'In summer, when the leaves are green, they must Dogs, like human beings, are subject to worm be dried and baked on a plate before the fire, then diseases of various kinds. A disorder, generally rubbed to a fine powder with the hands. In winter distinguished by the appellation of lunk madness is when dry, you must buy them at the medical herb when dry, you must buy them at the medical herb year nothing satisfactory remains. shop, Covent Garden. I gave my dog two largish tea spoons full, heaped up; first boiling half a pint mach and intestines

This, and what is denominated sleeping madness, appear to be merely two names leaves into it: the dog will take it well; but he will for the same disease. When a dog is thus afflicted not take it in grease, for the leaves have a very for the same disease. When a dog is thus afflicted not take it in grease, for the leaves have a very be will become lean, though he will feed voracious strong taste and smell. By the bye, I caution all degree forsakes him; his eyes appear dull and drow-been boiled, for it will purge them as much as a year was the locust year, this year is a caterpillar sy, and he will manifest an almost continual inclina- dose of physic. I gave my dog, eight days followtion for slumber, without being able, however, to ing, one dose; after which for above two months, he never voided one single worm.

"There is a peculiar excellence in these leaves; they never, in the least, purged my dog: his body was in the same state, as if I never had given him ter two days, the same to be repeated, and in four not purge the dog, it may be given him even when in what way are they continued how many transhe hunts. I am told by medical men, who have studied botany, that walnut leaves are a positive years of their remaining in the reptile state, and in poison to worms, but by no means detrimental to what shape do they appear in the last summer

inan or beast.

"You may observe, in the autumn, when the caterpillers and grubs eat the leaves of trees, and de- carefully attended to all the transmigrations of the stroy the garden stuff, you will never see the leaves locust for the last seventeen years. I would bestow of walnut trees eaten by them: no caterpillar nor much time and labour on a new investigation. I grub will approach a walnut tree. Besides, I will could then watch for signs and be prepared for any give you another proof of their abhorrence of walnut leaves: in summer, when the ground is so dry in our discoveries—if I arrived at the same results that you cannot dig for worms to go fishing with, by the same mode of reasoning and investigation, fill a pail, about one-third full, of walnut tree leaves, with those of one who had been engaged in the and pour a large kettle of boiling water on them; same pursuit—then an accurate history might be cover the pail over with a thick cloth, and let them given of this destructive insect, which for seventeen stand till cold; then go to a bowling green, where years pursues its destructive career. you observe many worm casts; spread the water over the grass, and the worms will immediately the locust sremain unmolested, and it is therefore in come up above the ground .- This I have tried."

MISCELLANEOUS.

ENTOMOLOGY. OBSERVATIONS ON THE LOCUST.

MR. SKINNER,

New Jersey, July 7, 1826.

In my last communication, I gave you the history of the beetle, and at the conclusion promised to speak of the locust. I am not so well acquainted with the not directed to these objects, and of course I am not prepared to state any thing definitively of their in the distance of the time between their winged states; one coming every seventh, one every four-The remark which was made on the last article teenth and those of this year every seventeenth year, but as they all perform the same offices, viz.

About the first of June the locusts appeared in great numbers. They generally came up during fibres of posts and boards, as well as in the trunks and limbs of trees. Every one knows their manner of sloughing their skin, and some few have seen lowing may be regarded as a sovereign remedy, and them perform the operation; but very few know that the work of destruction commences very soon after they begin to fly. Indeed, many sensible people persuaded themselves that the locust is an innocent harmless insect, which, if they do eat at all, live either on the moist or the putrescent particles of vegetables. Farther than this no one has cared to inquire. Perhaps at the time of their former appearance, some speculation arose respecting them; but it must have died away with the insect, for further than the announcement of their approach in this

Old people say that this year has produced greater numbers of them than that of any preceding year, I forget as to numbers, but I distinctly recollect that every living green thing, and even fences and walls, were covered with caterpillars the summer after the locusts made their appearance. But they sportsmen never to give dogs milk, which has not gave rise to no other remark than that, "The last year." I am only speaking now of what passed before my notice. It is possible that some more distinguishing than others soon became aware of the fact, that caterpillars were the progeny of the locust, but I imagine that the inquiry was not con-

If therefore caterpillars be the produce of locusts, formations do they undergo, during the seventeen

previous to their becoming a locust?

If I could add the experience of those who have same pursuit-then an accurate history might be

As woods and forests are unploughed, the larva of such places that they are most numerous; for although they are in considerable numbers in orchards and on fences, yet they are scarcely in proportion

^{*} I am supposing a full grown dog.

But whether it be a forest or a fruit tree, their mode cannot say, but I hope through your paper to be no posed to the influence of the heat. Their ardour formed of further facts, either as they occur from suffered no relaxation; the female larvæ (which are far as my observation goes, the hickory among forest time to time, or as they have already occurred in a heavier, and much larger than those of the other far as my observation goes, the hickory among forest and the peach among fruit trees, seem to be the most

suited to their purpose.

It is immaterial to the present limited state of the question whether the female puncture the limb herself, and then deposite the eggs, or whether it be done by the male; I am inclined to the latter belief: all we need know is that in a few days the locust pierces the bark-in fact cuts through the woody fibres of the limb or twig, and then deposites a certain number of eggs. Every insect has its own peculiar mode of protecting its young, and this of the locust they have been traced deeply into the earth either is as singular as any. Difficult as the operation appears, the wood is punctured, scored and the eggs deposited in less than ten minutes, and so deeply are the eggs imbedded that they require no glutinous or downy covering. Their instinct teaches them that nature will take that part upon herself, for no sooner is the tree injured, than an exudation of gum takes place, which protects the wound from the injurious effects of the weather: already are the in such a manner, that they are also capable of inedges of the wound closing over the eggs, and the crease: such are, according to M. Vallisnieri, the of ants," observes M. Latreille, "resemble when ensuing spring, will scarcely be seen in another that feed upon the rose.* month.

trees. I caused as many of them to be destroyed the same circumstances as those of which the philo-other to be regarded as true teeth; under these as could be caught, and thereby saved myself much sopher I have just quoted speaks; but if they are hooks we observe four little points or cils, two on after trouble, but enough remained to occupy me not surrounded with a liquid, or preserved from the each side, and a mamelon or tubercular process,

expert men.

It is easy to follow the "trail" of the locust, for in their haste to deposite their eggs, they do not sufficiently consider the nature of the twig on which they make their incision. Subjoined is the appearance of a twig after they have finished laying their to quit the shell: its body is then perfectly transpa-In this manner, dangling in the air, hang the ends of this period, is completely dependent upon the workthe slender branches, thereby directing your search, and enabling you not only to pull off the broken part in which there are frequently three or four disremain on the twig. I have cut off two or three bushels of ends of limbs in this way, and now I am many of which they have likewise left their marks.



entire limb, as it would disfigure the tree. I go precovering the limb and splints with a little fresh cow manure, and tying the whole up with a piece of old Three persons can go over two or three thousand trees in a few days, and while so employed, the step ladders being present, a number of uncouth, unnecessary branches can be taken off, and a number of stray caterpillars and insects can be dislodged. The eggs are about the twelfth of an inch in length, of an oblong shape, and white. They lie lapped over one another in the acute angle that is formed for their bed, increasing gradually, but slowly in size, until vegetation stops: they lie torpid unil spring, and then they make themselves known eggs, both in these insects, and the Cymips.—T.

former period. Of one thing there seems to be a cast) were carried, with some difficulty, through the certainty, and that is, that however an insect may narrow passages, leading from the interior to the exbe transformed, it never yet has been known to terior of the ant-hill, and placed in the sun, by the assume the form of more than one kind of winged in. side of those of the workers and males. After resect. But whether, during the period of sixteen years maining there a quarter of an hour, the ants again from the present, it be of one kind of reptile, or took them up, and sheltered them from the direct whether it change from the long, thin, green and rays of the sun, by placing them in chambers, situatblack, smooth caterpillar, to that of the bairy one, ed under a layer of straw, which did not entirely remains yet to be known, that they do not perish as the locust do themselves, is well ascertained, as

A SUBSCRIBER.

NATURAL HISTORY

OF THE EGGS, LARVÆ, AND PUPÆ OF ANTS.

(Continued from page 127.)

Nature has formed the eggs of some other insects place where they are destined to remain until the eggs of the Tenthredo, which produce those larvæ they quit the egg, little white worms, destitute of

These remarkable examples authorise me in ad-Notwithstanding my vigilance, numbers of these mitting the increase in size, in the eggs of ants, as is slender and curved. We remark at the head two locusts flew into my orchards among the peach fully proved; although it may not be exactly under little horny pieces or hooks, too distant from each for upwards uf a week with the assistance of two influence of the external air, their pellicle, moistened every instant by the workers, may preserve a cer- larva receives its food."* tain degree of suppleness, and the faculty of extension, according to the developement of the worm de bouche, as happens with several species of bees they enclose.

At the end of fifteen days, the little worm is seen eggs, and so deeply do they almost always cut into rent, and presents only a head and rings, without the wood, that high winds snap the twigs asunder. any rudiment of feet or antennæ. The insect, at them to demand and receive their repast, in the same

I have been enabled to observe, through the glasses of my artificial ant-hill, the great care taken of tinct layers of eggs, but to cut off those layers which these little worms, which bear also the name of larvæ. They were generally guarded by a body of ants, who, raised upon their feet, with their abdoemployed among the thicker central branches, in men brought between these members, were prepared to cast their venom upon all intriders, whilst, less worm just described, would ever become the indusbere and there, other workers were engaged in clearing the passages, by removing the materials which were out of place; a great number of their which were out of place; a great number of their companions taking at the same time their repose, and appearing fast asleep: but a busy scene occurred at the moment of transporting their little ones to enjoy the warmth of the sun. When the sun's rays less than the moment of transporting their little ones to enjoy the warmth of the sun. When the sun's rays less than the metamorphoses of insects, for fell upon the exterior portion of the nest, the ants, with these changes in appearance, the animal alters its who were then on the surface, descended with great habits and mode of life. The butterfly in its first or This is a more tedious process than the first, for rapidity to the bottom of the ant-hill, struck with larva state of existence eats voraciously, and in a manin many cases, it would not be proper to cut off the their antennæ the other ants, ran one after the ner greatly disproportioned to its size, devouring twice other, and jostled their companions, who mounted its weight of leaves in a day; in its second or pupa pared for the operation. I have a great many splints at the moment under the bell-glass, and resdescended about \(\frac{1}{2}\) an inch square in thickness, these I tie on the limb after I have cut off the whole length of cells, covering the limb arter is a limb and splints with a little fresh case. proved still more their intention by these move-ments, was the violence with which the workers sometimes seized, with their mandibles, those who that little creature (Ephemera) we see sporting in the did not appear to understand them, dragging them forth to the top of the ant-hill, and immediately leaving them, to go and scek those still remaining with the young.

As soon as the ants had intimation of the appearance of the sun, they occupied themselves with the larvæ and pupæ; they carried them with all expe-

of one to 1000, may I should say one to 10,000 - in a very conspicuous manner. Farther than the I dition above the ant-hill, where they left them exintercept the heat.

The workers, after having fulfilled the duties imposed upon them in regard to the larvæ, did not torget themselves; they sought in their turn, to stretch themselves in the sun, lay upon each other in heaps, and seemed to enjoy some repose, but it was of no long duration. I observed a great number constantly employed on the surface of the anthill, and others engaged in carrying back the larvæ, in proportion as the sun declined. The moment of nourishing them being at length arrived, each ant approrached a larvæ and offered it food. "the larvæ feet, thick, short, and in form almost conical; their body is composed of twelve rings; the anterior part almost cylindrical, soft, and retractile, by which the

The ants do not prepare for their larvæ provisions and other insects, which provide beforehand for the wants of their little ones; they give them every day the nourishment best suited to their condition; the inway as the young of birds receive it frum their parents. When hungry, they erect their body, and search with their mouth that of the workers, who

* What a world of wonders is there not opened to our view, in the transformations the insect tribe undergo, from the period of their birth, to the full and complete development of their several organs. Unless well assured of the fact, how could we imagine the feeble helpthe contrary, that the magnificent butterfly we see hovering from flower to flower, ever drew its origin from the creeping caterpillar. But these changes, surpriswinged insect (Libellula) now crossing our path, passed the first part of its existence as a water insect, and sun-bean, whose existence as a winged insect is limited only to a few hours, and seemingly with no other view than that of continuing its kind, has also passed the first period of its life in the same element. The common gnat, that so much annoys us in our evening walks, was originally an inhabitant of some stagnant pool. The beetle that flits along our even-tide, lay in worm-like state for a considerable period, locked up in the caverned chambers of the earth, and—but why proceed, when the whole insect tribe generally speaking under-* Latreille alludes to this increase in the size of the when the whole insect tribe, generally speaking, undergo such developments .- T.

its very mouth the fluids they seek.

each individual, that the aliment is more substantial spinning or weaving one." the nearer the time of their metamorphosis, and that mure is given to the larvæ of females than to those aliments are of difficult solution: however, as it is of other species, but none in those of the fallow, ashsome importance to ascertain if the nourishment coloured, and mining auts. Those that are to pass obtains in bees, I purpose making some experiments of that Providence at which naturalists are struck by nourishing myself the larvæ of different species. at every step. We do not find the larvæ of males Let us at present follow the workers in the last care and females but in the spring; their transformation they bestow upon the larvæ; it is not sufficient to takes place at the beginning of summer. lay them in the sun and give them food; it is still necessary to keep them remarkably clean. These insects, therefore, who in point of tenderness to the young committed to their charge, do not yield to any of the females of the larger animals, pass their tongue and mandibles continually over their bodies, and thus render them perfectly white.* The ants have also another occupation; that of extricating them from their cuticle, which becomes distended and soft at the period of their transforma-

Previous to changing this skin, the larvæ spin themselves a silken covering or cocoon, (as is the ease with many other insects,) in which in the form of pupæ, they prepare to undergo their last meta-

* As these insects evince so much attachment to the charge committed to their care, I was desirous of ascerspring of another species. For this purpose, I visited a nest inhabited by the little black ant, where there were only larvæ, and removed a few to a nest occupied by the yellow ant, containing only pupe. Here they lay for a time unnoticed. At length, one or two of the ants took them up, with the intention of carrying them away, when another who appeared stationed as centinel, ran violently against and overthrew them, thus occasioning them to relinquish their hold: this part of the nest was at length descried, the larvæ were left where hirst deposited, and the centinel retired. At this time not a single ant was within view. In about five minutes a little troop sallied forth, and, as if acting under some general imputse, carried off their unwelcome visitors to nest from day to day, I never afterwards saw these larvæ, and therefore, conclude they had been set apart, where from neglect they had perished. Had the larvæ where from neglect they had perished. Had the larvæ been brought up in common with those of their own family, I must have known it; for, as I before said, the nest contained pupe only. In an after-visit to this nest, I reversed the experiment, by carrying away some of the pupæ, and placing them in the nest from which I the pupæ, and placing them in the nest from which I the first of October. The Cleaveland Herald from which we make this abstract, mentions had before taken the larvæ. This done, a similar scene that some alarm has been occasioned by the bad took place. The pupæ were at first regarded with in-difference. Some of the inhabitants then attempted a removal, to which there was, for a time, strong opposi-In a few minutes, however, they were carried off to the subterranean chambers. In these experiments, there was this slight difference: in the former instance, the ants retired, as it would seem, to deliberate: in the latter, they remained the whole time within sight, a state; but as I have found the cocoons, thus stained, little distance from the pupæ. Had the larvæ or pupæ been suffered to remain where first placed, this would metamorphosis, this supposition falls to the ground. have greatly embarrassed the ants in their daily operations, this being the spot where they were in the habit of bringing their young to enjoy the sun's warmth. But why they should take them under ground, in preserence to carrying and depositing them beyond the nest, is a

and close in its texture. A remarkable circumstance prevent a recurrence of such failures. The work I know not if these fluids undergo any change in for which no cause has been yet assigned is, that on the Licking summit is progressing rapidly, the body of the workers, but I am far from believing there are ants whose larvæ never spin; but this exit to be the case, since I have often seen the ants ception only holds with those species that possess a offer them nourishment, almost immediately after sting and two knots on the peduncle of the abdothey have themselves taken it; perhaps honey and men. Thus, there are some larvæ which undergo sugar dissolved in water. I presume, however, that their change in a silken envelope, and others which the regimen is proportioned to the age and sex of become pupa, without lying under the necessity of

The larvæ of some ants pass the winter heaped up in the lowermost floor of their dwelling. I have of the workers and males; but the questions which found, at this period, very small larvæ in the nests have reference to the quality and quantity of these inhabited by the yellow ant, the field ant, and some which the larvæ takes, has any influence upon the the winter in this state are covered with hair, which development of the sexes in the female of ants, as is not the case in summer; affording another proof

(To be continued.)

RYE BREAD.

"Even those (says Mr. Jacob, in his recent report on the state of agriculture on the Continent) who can afford wheaten bread, eat commonly that of rye from choice. At the tables of the first families, both in Germany and Poland, though wheaten bread for spreading it. was always to be seen, I remarked that the natives scarcely ever tasted it; and I have met many Englishmen, who after a long residence in those countries, have given the preference to bread of rye. From the time I left the Netherlands, through Saxony, Prussia, Poland, Austria, Bavaria, and Wurtemburg, till I entered France, I never saw, either in the baker's shops, in the hotels, or private houses, a loaf of wheaten bread. In every large town, small rolls made of wheaten flour could be purchased, and they were to be seen at the tables at which the foreigners were seated. Wheat is only used by the natives in making what our English bakers would against which the foot should be pressed when the call fancy bread, or in pastry and confectionary. If pain commences. there be no foreign demand for wheat, the difficulty TO ALLEVIATE THE PAIN OCCASIONED BY THE STING of selling is very great."

Upwards of 2000 hands, and 300 teams, are em-Cleaveland and Kendal, and work to the amount of between 40 and 50,000 dollars is performed in a month. The excavation and embankment are nearly completed from the portage summit to Cleaveone of their under-ground apartments. Visiting this land. Of 44 locks required between the summit and the lake, the pits of 30 have been dug, and nearly half of the others are now excavating; the stone for the whole is prepared, and some of the walls have been commenced. The contracts rethat some alarm has been occasioned by the bad management, want of integrity, and consequent failure of a few persons, chiefly sub-contractors,

* Among the spinning larvæ, there are some whose web is marked with a black point at one of the extremities, which has been taken for the remains of the state; but as I have found the cocoons, thus stained, nefore the larvæ they contained had undergone their am fully convinced it is nothing more than the residue of the aliment which these insects discharge a little time before their change.-A.

Gould is of our author's opinion; but Sir Edward King, who published a memoir on ants in an early num-

are appointed to nourish them. The ant then separates its mandibles, and allows them to take from elongated, of a pale yellow colour, and very smooth tual payments. Arrangements have been made to tual payments. Arrangements have been made to

[Pittsburgh Gazette.

RECIPES.

TO PREVENT CORNS FROM GROWING ON THE FEET.

Easy shoes; frequently bathing the feet in lukcwarm water, with a little salt or pot-ashes dissolved

The corn itself will be completely destroyed by rubbing it daily with a little caustic solution of potash, till a soft and flexible skin is formed.

CURE FOR WARTS.

The milky juice of the stalks of spurge, or of the common fig leaf, by persevering application, will, to a certainty, soon remove them.

COURT PLASTER.

Take of isinglass, half an ounce; Turlington's (or Friar's balsam,) a drachm; melt the isinglass in an ounce of water, and boil the solution till a great part of the water is consumed: then add gradually to it the balsam, stirring them well together. After the mixture has continued a short time on the fire, take the vessel off, and spread the extended silk with it, while it is yet fluid with heat, using a brush

CERTAIN CURE FOR THE CRAMP.

An effectual preventative for the cramp in the calves of the legs, which is a most grievous pain, is to stretch out the heel of the leg as far as possible, at the same time drawing up the toes towards the This will frequently stop a fit of the cramp after it has commenced; and a person will, after a few times, be able, in general, to prevent the fit coming on, though its approach be between sleeping and waking. Persons subject to this complaint should have a board fixed at the bottom of the bed,

OF GNATS.

The disagrecable itching occasioned by the sting of these insects may be removed by volatile alkali, ployed on the section of the Ohio Canal between or immediately rubbing and washing the part affected with cold water.

At night, to rub with fuller's earth and water lessens the inflammation.

TO CURE THE STING OF A WASP OR BEE.

To the part affected, apply oil of tartar, or solution of potash, and it will give instant ease; as also well bruised mallows.

THE FARMER.

Baltimore, Friday, July 14, 1826.

DEATH OF JOHN ADAMS.

In our last we announced the death of the illustrious Jefferson, because, though we keep no obituary register, it happened to reach us at the moment when our paper was going to press, and when, through it many of our readers would learn it for the first time.

We have now to add to the mournful record, that of his illustrious associate in life and in death-John Adams. But why call it mournful? Should we not rather, under all circumstances, rejoice and be thankful, that they were permitted to question I can only answer by supposing they there ber of the Philosophical Transactions, conjectures that conveyed them to insure their certain destruction, and it is a secretion cast out by the larvæ in its transformathus prevent further molestation.—T.

It was not in human nature that they could gold medal of the Society. do more to illustrate these virtues-their measure of earthly honours was full to overflowing; and the world never presented a more sublime moral spectacle than their simultaneous dissolution on the Jubilee of American freedom-we may sympathise with their surviving relatives, but even they will have been taught, by the giorious examples of the deceased, to submit with fortitude to a dispensation of Providence so extraordinary, in all its coincident Society; and a copy of the Resolution awarding me circumstances, that, without superstition, we may their gold medal. I accept these honours, unmeof Pravidence so extraordinary, in all its coincident suppose it was intended as a double consecration of the 4th of July, to the cause of human freedom; as a "new seal to the hope that the prosperity of these States is under the special protection of a kind Providence."

following is another proof of the constant and en- tive to exertions for the publick good than thus, laulightened attention paid by officers of our Navy, when abroad, to the best interests of their own country. If they are ready to defend her honour the Society, and accept for yourself assurances of by the sword, they are equally prompt in "piping sincere regard from times of peace, to supply from loreign climes, the means of greater variety and profit to the products of our fields.

U. States' ship Cyane, Rio de Janeiro, May 29, 1826.

Dear Sir,-An opportunity in the departure of the brig Sylph, which will sail from this port, for Baltimore, enables me to forward to you a few seeds, and of a kind which I have no doubt will DEAR SIR, take kindly in our soil. The wheat, you will perceive, is of a hard flinty kind, and I am informed is never subject to smut or to the visitation of the fly. land crops, cotton, corn and potatoes, have suffered The bean is in flavour prodigiously fine, and yields very materially. This immediate neighbourhood a most abundant crop to the portion placed in the earth; the seed is of a highly flavoured pumpion, which in flavour, is very little inferior to our yellow musk melon—all of which I send to you for such in the cultivation of that staple, as we can always distribution as in your own judgment may seem fit, command the flow of the tide. Many of us, how should they prove acceptable.
With great esteem, yours,

J. D. ELLIOTT.

J. S. SKINNER, Esq.

SOUTH CAROLINA AGRICULTURAL SOCIETY. Charleston, June 26, 1826. DEAR SIR,

The South Carolina Agricultural Society having Mr. Skinner, elected you an honorary member of the society, it becomes my pleasing duty to inform you of the turkies;" they are exceedingly wild and shy though same. I send you a copy of the diploma and "Resolution," the originals of which are entrusted to of your subscribers, who have succeeded in raisin the care of Mr. Redding, who expects to sail for this valuable fowl of our woods, inform me how Baltimore in a few days. The gold medal is in the had best proceed. hands of the artist, and shall be forwarded to Baltimore as soon as I receive it. I expect a month or prove useful to many. The French call this bir two will elapse before I obtain it. With assurances Coque De Indié. of my personal respect,

I am, sir, your obed't serv't EDW'D BROWN,

Pro. tem. Cor. Sec. So. Caro Ag. Society. John S. Skinner, Esq.

P. S. It was on motion of Gen. Thomas Pinckney.

(COPY.)

The following resolution was unanimously adopted by the South Carolina Agricultural Society, at their meeting on the 20th of June, 1826.

This Society acknowledges the sense it entertains of the services which Mr. J. S. Skinner has rendered to the promotion of the agriculture of the United States, and of his particular attention to vations on the Locust-Natural history of the egg

council, patriotism of purpose, and firmness of reso do forward to him his diploma, accompanied by the

Extract from the minutes.

CHAS. E. ROWAND, See'ry. (Signed) Charleston, June 20, 1826.

Baltimore, 4th July, 1826. DEAR SIR.

Your favour of the 23d ult. brought me the gratifying information of my having been elected an honorary member of the South Carolina Agricultural rited as they are, with a high sense of respect for the members individually, and with the more pleasure, as they were conferred at the instance of an eminent patriot; who, before I was born, had joined this Society to pioneer in the cause of agricul-GRAIN—SEEDS, &C., FROM THE BRAZILS.—The the cause of liberty. What more powerful incenduri a viro laudato?

Please tender my grateful acknowledgments to

Yours, very respectfully, J. S. SKINNER.

EDWARD BROWN, Esq, Pro tem. ? Cor. Sec. So. Car. Ag. Society.

EXTRACTS TO THE EDITOR-DATED

Waccamaw, neur Georgetown, S. C., June 39, 1826.

The drought during the months of April, May and part of June, has been excessive, and our high being better adapted to rice than any other section ever, who have been in the habit of growing ou own provisions, independent of the rice crop, wi fall very far short of our usual mark in that respec

Yours, respectfully,
JOSEPH W. ALLSTON.

WILD TURKIES.

North Carolina, June 18, 1826.

Sir,-I have a promising number of "young wil much more so I think than the partridge. Can an

An answer is respectfully requested, and would

Tobacco.—Inspections in the three State Ware houses during the last week:

No. 1, 2, 3,	. •		180 hhds. 103 125
			408 hhds.

CONTENTS OF THIS NUMBER.

Thoughts on Agriculture, by Dr. Johoson-The Jum ing Hough, with euts—Rare Ripe Wheat—Plantin Tube, inquiry—On the uses, properties, &c. of Mill continued—Washing Salads—Annals of the Turf, No. V .- Diseases of Dogs, on Worms-Entomology, Obse this Society by a donation of valuable books and blarvæ, and pupæ of Ants, continued—Rye Bread—Ohio other kind services; and therefore unanimously Canal—Recipes—Grain, Seeds, &c. from Brazil—Pro-Resolved, That Mr. Skinner he admitted an honora-ry member of this Society, and that the secretary Prospect of Crops—Wild Turkies, inquiry.

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SKINNER, Editor, by John D. Toy, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

ON THE VALUE AND USE OF OXEN IN COMPARISON WITH HORSES.

Frederick county, Virginia, April 4, 1825.

I have ventured to become a candidate for your liberal offer of a silver cup "for the best essay on the value and use of oxen in comparison with horses convincing our countrymen of the great importance of working oxen in preference to horses generally, where the climate is not too warm for them, and where in all kinds of labour they have not been excluded by the fairest comparison. And as it is probable you will be presented with a number of practical essays, an opportunity will be offered to embothe most useful bearing on the subject, which I must suppose will be highly gratifying to any one

are light, an active horse is equally suited to their large fat cattle make more and better manure than gue, we will not keep oxen, for our horses must be soil and elimate; horses of even a small size, and small lean ones. mules in their place, are more valuable than oxen. Now, if it be a fact, that oxen in great part, can which cannot perform the active labour in a hot be more economically and profitably used than sun, through a lung day, in a scorching soil, and horses, the great advantage of improving them fol-middle state.

perhaps scanty food. Steady, hard labour belongs lows of course, which will naturally lead us into a to the ox; if he goes slow, he carries a great bur- system of farming more fertilizing and less laboden, and hiust have plenty to eat for his faithful la-rious. In what has been said, or what may be said. bour. If, then, to the north he is most valuable, let nothing be inferred that the horse is underva-and the horse to the south—may we not rationally lued; but that the use of this noble animal should conclude that on the middle ground they may be associated with extraordinary advantage; and in adapted to than the ox; that the number should be that portion of our happy country we may, by ju- limited, and their size and form made the subject dicious management, succeed in making it again of particular interest, that a pair of them may perwhat it once was, the finest part of the old thirteen. form the same quantity of labour, with ploughs of in the middle and southern states;" in doing which I am prompted less by the expectation of success, than by the desire of performing a citizen's part in convincing our countrymen of the great importance more speedily improved. The middle and southern states, I consider the horse as much more valuable country, to a certain extent, are dependant on the west, annually, for large droves of horses, demand-when hauling to a considerable distance—as I do ing cashin payment, which it is true they cannot now the ox for the rest of the labour performed on a get, but must eventually be paid to the great injury of the purchaser. Does not the inability to pay, prove the impropriety to purchase in this case? When all kinds, either in wagons or carts, particularly in the dy from them, all such facts and remarks as have the price of small grain was high, the expenditure transportation of manure, where four oxen have, in a was more tolerable. It is time to adopt a more properly constructed cart, as decided a superiority economical mode: let us raise a few large horses, and over the wagon and horse team, as the latter have evincing so much interest as is manifested in your plenty of heavy oxen. It is notorious, that a team over the former in ploughing. If oxen are slower The experience of our northern bre- of four oxen may be purchased as cheaply as one than horses, their steadiness, strength, simple gearthren, in that line, gives them an opportunity of a horse, while the former is subject to fewer risks of ing, which renders it so speedy a change from one better acquaintance with working oxen, their pro- every kind. If a horse costs \$100, oxen of a cor- cart to another, and advantageous mode of deliverperties, and valuable uses, and I am sure they can-responding quality may be had for \$25 each; if a ing their load by a tilt, and off again without loss not refuse for so bonourable a reward, to give you horse of inferior kind costs 60 or \$80, the ox may of time, is the cause of their superiority; and this a full and just description of them-though I am not be bought at 18 or \$20. There is almost a certain-done with a broad wheel eart, costing not more fully aware as it regards the comparison, whether ty of the ox enduring eight or ten years, and then than half as much as the wagon; of which, and its the same care has been taken in districts where the ox is most celebrated, to bring the horse to the same degree of perfection. It was in Massachu- from the number of his liabilities, will not, I besetts that I first witnessed their great strength and lieve, average ten years from the time of his pur- ticular construction is known off my own farm. docility, their patient endurance of many miles chase; perhaps little more when raised; and when travel through snows into the frozen swamps, re- he dies we get only his poor hide. But admitting narrow bodies, high wheels with narrow tire: but turning late, heavy laden with wood. I have been that a farmer raises both of the best kind; a horse such wheels cannot be made strong enough for in the habit of using them for twenty odd years on a farm of 350 acres cleared land, and know more of their value than f can express in terms adequite by as any first rate plough horse. The difference of high narrow bodies are unhandy to load in, equally to their importance. Nevertheless, I believe it is cost in their keep is great: (so many minute calcusto to upset, as after a deal of exertion to tilt them, in vain to say that the very best oxen are equal to lations have been exhibited of late on that score,) they will not discharge the load freely; whereas a horses for the wagon, plough or harrow—though I I will not meddle with it further than to say, that body short and very wide, will carry much more do, without hesitation, declare, consistently with from two to three oxen may be kept to more ad-manure, and tilt with ease, besides affording less my own experience, that we should depend greatly vantage, and at less immediate cost, than a single labour to the team. I have endeavoured to accommodate their gear, carts, and labour as nearly to ly necessary to plough the ground and furnish one double as much hay as the horse, there is double their nature as possible, not forcing or expecting wagon team on a large farm; on a small one oxen should be used for every other work than ploughearry on an improving system. Whereas the concertain much is to be done by management, and ing. One bar-share of three horses is sufficient for sumption of grain by a horse produces the necessithere is a great advantage in a suitable breed. I a farm of 3 or 400 acres, breaking up annually one ty of costly labour to keep up a necessary supply, and the cost of the whole, with six good oxen in addition. The same sized farm frequently employs rially injures the soil. An established conviction, two bar-share teams, and a wagon set, besides that oxen can be made to answer a more valuable quickened pace; but the same difference will be horses enough to eat up all the grain they make, end in exchange for a part of our horses, would met with in horses also. A simple mention of a and destroy much of the grass that should be turn lead to important results. Our breed of cattle few of the many advantages attending oxen, and I ed into hay for oxen. In order to keep up such a would be improved generally; those intended for am done with their culogy. number of horses, resurt must be had to the ruinous the yoke would be selected for such peculiarities as system of purchase, or the keeping an additional would best adapt them to the purpose; fewer horses blind; I bave not, in twenty years, lost one by number of young horses to reinforce with, which greatly adds to the deteriorating system.

Would make room for more and better cattle; less disease or poverty; they do not jump and trespass greatly adds to the deteriorating system.

The comparison required being between oxen and horses of the middle and southern States, and horses of the middle and southern States, and have the chief food of oxen; less land in like horses, if incurable, or blindness, or mischievous-ness, do not prevent them from making good beef. being an inhabitant of one of the most northern of labour will be expended, more profit reaped; cows the latter, I feel peculiarly situated, however illy will be seen returning from their more abundant out of a hundred will do better in the use of oxen qualified to draw an instructive comparison; for I pastures laden with milk, to supply a dairy, or make with horses, as here recommended—but I will not am aware if the subject were done justice to, it their calves large, and give them early maturity, disguise that there are some few, whose wonderful would lead into an extensive train of reasoning, Without a plentiful dairy, too, there is a necessity energy and management have demonstrated (espeand require no little practical detail of husbandry, for an increased cultivation of grain to feed the cially in extensive grain cultivation) that horses In much of our northern and eastern country, ecohogs for the use of the labourer, and he requires an pushed to a certain age, and then sold to give place nomy of cultivation is so essential, hay so much addition of meat when he does not get plenty of to other prime ones, have succeeded in doing more identified with the soil—the climate is suited to penning the theorem, in the winter, large quantitheir constitution. To the south, where the lands ties of the best manure is made in their pens; for miles, is considered in these exceptions. Some ar-

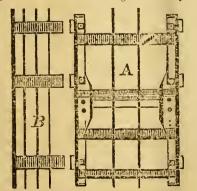
I had formerly been in the habit of using long labour to the team. I have endeavoured to accom-

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they are a necessary relief to the horse whose powerful energies should be called forth at certain seaploughing tug-after which but little grain is required with an abundance of rough food and hay, will live longer and at less expense.

A much more important consideration is to possess carts of easy conveyance to them, and abun-

should be so stiff as not to bend at all, the tire 4 sure than almost any man in the world. inches, wheels about 5 feet high-the body A just



8 feet long from end to end of the main rails, which should be stout and of good white oak, with additional rise in the middle to admit of a portion being rounded out for the hub to turn under. It is by this means the body acquires width, and will carry more

clusively at work-but it is not the fact; hay or grass and easier than a long narrow one-will also tilt will keep horses fat when they are not at work, and the economy of oxen not only consists in the saving may come within two inches of the spokes below, ox cart loads to the acre, of ashes or old cold maof grain in not eating it themselves, but in render- and the side boards to lean so as to be nearly paral- nure, such as yard shovellings, &c.; unfermented ing it unnecessary that the horse should—further, lel with the spokes of the wheel—it should be 6 manures will spoil the crop by making it run to top, inches wider behind than before; a light moveable rendering the roots hot and spikey. bottom battened together and chained to the fore sons, particularly during the spring and fall, when a good three horse team should not plough less than the from two to two and a half acres per day; rest should then ensue for a while, then light labour, and are 9 feet long, as is the floor of the cart. The should then ensue for a while, then light labour, and are 9 feet long, as is the floor of the cart. The bashel, which is acknowledged to be saved from white the story is a saved from the saved from the saved from the story is a saved from the saved rich grazing will make them young for another sideboards are 2 feet high above the staples. When the refuse turnips, which, if one is suffered to go to the nature of the hauling requires it, a slight gate may be affixed at pleasure on the fore part. Pins With such seed it would be as impossible to raise which, if properly administered, will make a large with shoulders are driven about three inches deep quantity of the best manure. Horses thus kept, into the under part of the rails on each side of the axle, to prevent the body from going too far one escape the ravages of the fly, it is best to soak the The voking and breaking of oxen comes next way or the other. This is better than any iron work seed in rain water twenty-four hours; but if wanted under consideration, but so much has been lately for a cart independent of the coonomy—the staples sooner a few minutes in warm water will do. It is said on these subjects in the American Farmer, I are driven through immediately on each side the strongly recommended to soak the seed in lamp oil, will touch but lightly on them, and proceed to state two inch auger holes intended for standers in the which is said to impart a disagreeable flavour to my experience of the kind of cart best adapted to hauling of wood, rails, &c.; and will prevent the the seed plant, which saves it from the fly. After their labour. I have usually broken them at between two and three years of age, by working them greatest pressure from ever opening the timbers.—The convenience and economy of this manure and gently between the wheel oxen and leaders, grawood body, as I call it, must be so evident, that I mix three half pints of seed with a bushel of the dually introducing them into harder labour by putting one at a time behind, or before, wherever their
station may be intended. Their yokes are conis all the iron work it requires. It is rapidly disinches apart, by closing every other slide, which structed with a view to have as close a bearing on sected and stowed away after use. For other pur- will save much time in hoeing. the neck as possible, and the bows inserted with a poses, a light close body, 9 feet long, or 10, accord-like view. Query: as some insist that oxen can ing to circumstances, is used for the hauling of draw most by a rope attached to their horns, would wheat, corn, &c.; six barrels of corn in the shuck I draw most by a rope attached to their horns, would wheat, corn, &c.; six barrels of corn in the shuck I seed can be got up quick, it will do to sow as late not the experiment be worth making, that of fixing have frequently hauled. To this body is attached as the 25th of August, for table use; and for stock, the rope round the horns and to the yoke, in order ladders for hay, wheat, &c. &c.; and an additional it would be well to sow from the 25th of July to to relieve the shoulders of part of the pull, when the one is used almost exclusively for corn stalks with the 10th of August. Two weeks later will do on pressure has become great?—though I confess I the tops and fodder on, 15 feet long, consisting of the tide water and in old Virginia; the ground being feel satisfied with the present mode. veys more of the materials of manure from a good corn field than can readily be conceived by one not ploughed ground one stroke with the harrow; then dant in the transportation of manure, &c. for I have accustomed to its operations. In conclusion, it will suw the seed while the ground is damp, and give it often heard farmers say, they had plenty of manure be almost unnecessary to add, in connection with one stroke with the harrow, and the plants will often heard farmers say, they had plenty of manure be almost unnecessary to add, in connection with one stroke with the harrow, and the plants will but could not carry it out. I have never been able to make a fourth as much as I could haul out in present state of our agriculture, that will have the destructive, roll them with a roller. As it is apt to effect of reducing its expenses, and at the same time be dry at this season of the year, it is best to sow a posed to evaporation—then, as the facility of re-enhance its profits, both immediately and remotely, moving it is as necessary as the making, I would and insure a certain improvement of the soil, must offer the annexed plan of a cart for 4 or 6 oxen, two be considered preferable to the extensive, uncertain of which will cost less money than a good wagon, and unfertilizing system of grain raising, which has requiring so much less iron and mechanical labour, been my desire to prove, through the medium of The state of perfection (1 imagine) I have brought the labour of oxen, the repose of a greater portion them to, is the result of twenty years observation, of land in grass, and a greater quantity of hay as casting off many before worn, altering and amend-the cheapest and least exhausting resource of maing from time to time, but perhaps I have yet to learn much on the subject; if so, may this occasion less land.* Have the goodness to pardon this rough bring it to light. The axle tree should be very sketch, for writing is not my trade, but practical strong, and not morticed for the tongue, which farming, which, I think, I pursue with more plea-

I am, very respectfully, Your obed't. serv't. RICHARD K. MEADE.

ON THE CULTIVATION OF TURNIPS.

After fifteen years experience, I recommend the following practice, which, if carefully followed, may be made a certain, and not an uncertain crop-as is mostly asserted.

The land suited to this crop ought not to be rich, spring.

*And best recipe for destroying the Hessian fly.

MANURE.

SEED AND ITS PREPARATION.

In order to hasten vegetation, and by that means

TIME OF SOWING.

In the neighbourhood of Baltimore, if the turnip little before or soon after a rain, to get the plants un; otherwise the seed often perishes; but sowing on fresh ploughed ground is a great advantage.

HOEING, &c.

After the plants are up and the largest leaf has grown as large as a cent, run the harrow through them, which breaks the crust, buries the young weeds, and moulds the plants; and from the three half pints of seed, if the fly bas not been destruc-tive, there will be plenty of plants to admit of the harrow being run each way, which puts the ground in fine order among the plants: then commence with the all-important work of hoeing, without which all the other work will be nearly lost. Each hand must take about five feet wide and use the hoe actively, and single out the plants as near twelve inches apart as can be done by the eye. This is a tedious operation; but four or five hands, sticking close to it, will soon learn to do the work quick, and get over a large piece of ground in a day; and after it is done, there will be one single plant to each foot of ground, instead of a dozen to the foot in some places, and only one to the yard in others, as is the case when the seed is sown thin, but of a medium fertility, and pulverized by repeat-and left without hoeing or thinning; in consequence, ed ploughings and harrowings, until very fine; as in one case they will be too thick to grow, and in near the consistency of pulverized virgin soil of the other will not grow for want of culture. The new land as possible, and the turnip crop will very white flat or white Norfolk is the best kind for carsuitably succeed all early spring crops, such as poly use; and the ruta baga, and yellow bullock, for tatoes, peas, radishes, beans, and clover after the late use. Either of these ought to be sowed earlier first mowing, and will do without manure, provided than the above—the first a month, and the latter the four first enumerated have been manured in the one or two weeks. The white stone and tankard turnip, are good kinds, particularly the latter, as it grows to a great size and is sweet.

ROBERT SINCLAIR.

MOWING MATCH.

On the morning of the 4th inst. many of the farmers and other inhabitants of Stratham, assembled at the Plain's corner, to witness the novel exhibition of a mowing match. The premium was an elegant scythe, by which the work was executed. The rule was previously established that no candidates should be accepted, excepting those between the ages of 18 and 21; that after the work was executed, it should be measured, and the three best mowers should again perform the task. Three judges were appointed: Major Benj. Clark, Major David Robinson, and Capt. Joseph Smith, with liberty to the mowers to select two additional ones, if they should think fit.

When the work was executed by the nine mowfeet swathe, and 101 feet in length; being 808 thanks of the company were tendered to the gentleupon the occasion.

[Exeter Gazette.

the kind.

EXPERIMENTAL FARMS.

The science of agriculture and gardening is adwith very excellent results. In New Jersey near without injury to her own health. New Brunswick, is a farm under the personal care of a proprietor who unites all the requisites of a As an instance of the success of the experiments of their dejections. made, and of the excellent cultivation it is under, it may be mentioned that apricots have been ga-

PROSPECT OF CROPS.

Extract of a letter from Caswell county, N. C., dated July 8, 1826.

"From the time the corn crop was planted up to the 20th of May, we had dry weather, which enabled us to keep our crops clean. On the 2 tth of May we had abundant rains, and from that period

but on high land the crop was too far spent before habits of life. the wet weather set in. The young tobacco was Beyond the also very promising; but this fine prospect has been other sustenance till after the first teeth have begun much altered for the worse by a high freshet which to appear: the development of these is generally lately took place in Dan river, which has destroyed co-incident with that of the stomach's powers, and nearly one half of the corn, oats, and young tobac- thereby seems to indicate the want of more solid co crops growing on the river bottoms.

LADIES' DEPARTMENT.

NUTRITION-FOOD.

(Concluded from p. †32.)

Necessity or selfishness, then, must be regarded ers who had presented themselves as candidates, it as the chief motive to a mother's withholding from appeared that Messrs. Benjamin F. Clark, Nathan her infant the enjoyment of its natural sustenance. L. Morrill, and Benjamin Kelly, had done the best When, therefore, either of these states is found to minutes mowing; and the work was again per-admit of no other remedy, the offices of a proper formed by them, when it was declared by the judges, that Mr. C. had mowed in one minute 45 strokes, 8 rent: and in the selection of such a substitute, an attentive exercise of the judgment and of experifeet square; Mr. M. 50 strokes, 73 feet swathe, and ence is requisite. That person, who aspires to hold 103 feet in length; being 796 feet square; and Mr. the situation of a nurse, should be distinguished by K, 48 strokes, 7 7-12 feet swathe, and 107 feet in qualifications which peculiarly fit her for the faithlength, being 813 feet, and one quarter square; and ful execution of the charge she expresses a desire of Mr. Kelly accordingly received the premium. The undertaking. She ought to be young, and modest and healthy-neat in her dress; cleanly in her permen who acted as judges; to Capt. Smith for the use of his field; and to Rev. Mr. Cummings, for an elegant and appropriate address delivered by him and an instructed mind. Her teeth should be white and clean; her gums sound and florid, the odour of Previous to the dissolution of the meeting, Major her breath agreeable; that of her insensible perspi-Smith, aged 80 last autumn, mowed one minute, ration inoffensive; her nipples rosy and small, but and cut over a surface of 803 feet square. The readily swelling from excitement; her breasts smooth work was executed by him with great case, and he and prominent rather oblong than large. Her milk was rewarded by the applause of all present, and ought not to be more than four months old, because with a badge of respect and honour. It is proposed it then becomes less digestible by the stomach of a to continue these meetings; and we shall endeavour new-born babe; it should flow with readiness, be in our next paper, to give some further account of thin and bland and abundant, and have a bluish the plan. We regret that our limits will not allow tinge, with a sweetish taste. It is necessary that a more extended notice of this first exhibition of she be perfectly free of every hereditary or constitutional taint or manifest disease, and altogether blameless of every practice requiring concealment; that her character be eminent for patience, equanimity, kindness, and obligingness; and that she show herself to be fond of children, dexterous in vancing rapidly. Several extensive experimental managing them, watchful during their sleep, and tarms are in operation in this section of the country capable of undergoing fatigue and want of rest

Women having a brown complexion generally yield milk in profusion: theirs, also, is rich and scientific and practical horticulturist. Within the nourishing. That of fair persons contains less of last four years, seven thousand trees have been the pure alimentary principle, and has been consiplanted under the direct inspection of the owner, dered as having a tendency to create heart burn in who has converted the whole farm into a garden, some infants, and in others a weakening frequency

Moderate and regular exercise, in the open air, imparts energy to the vital powers of females givthered this year from it, measuring six inches in ing suck; and, from this, their milk derives a better circumference.

[N. Y. E. Post. quality, has the proportions of its component elequality, has the proportions of its component elements more equalized, and is made less susceptible of going into sudden coagulation within the sto-machs of their charge. They themselves should subsist on a light generous diet composed of a due mixture of animal and vegetable substances,* accompanied with the free use of refreshing drinks:

*Dr. Struve, in his tract on the Education and Treat-May we had abundant rains, and from that period up to the present time I have never witnessed such seasonable weather. A warm sun and frequent showers, sometimes two and three times a week, has forced rapidly forward the corn crops, which are is to be taken cold: it has been attended, he says, with *Ripe fruit conduces, in no manner of way, to the decidedly the finest we have had for many years.

The wheat crop, on manured lots, was an excellent one, the heads being well filled and the grains large and plump: the wheat, on corn ground, gave a thin

crop as to the number of stalks, but they were well but, in all this, particular regard should be had to filled. The oat crop, on bottom land, very good; the individual's natural temperament and previous

Beyond the mother's milk, an infant requires no nourishment. Previously to this change, which usually happens between the fourth and sixth month from birth, artificial foods almost always disagree with the digestive organs, and excite internal pains, sometimes disease. In the mean time, it should be admitted to suck only at stated intervals of about four hours: and, on each occasion, be allowed to drain the breast. Frequent sucking, especially during the night, is unfavourable both to the babe's prosperity and the health of its mother, who never ought to permit its lying asleep with the nipple in its mouth.

Infants, as their dentition advances, may have the quantity of prepared aliment, superadded to the natural, gradually augmented. Such forms of it are preserable as consist of milky and farinaccous substances, agreeably sweetened: of all these recent cream of cow's milk diluted with whey, and arrow-root, appear, from experience, to be the most

Preparatively to its final discontinuation, the nurse's milk requires being exhibited in lessening proportions as well as at more distant returns. Vigorous and healthy children may be weaned, as convenient, in their eighth or tenth month; but such as are puny, delicate, or diseased, should have this change deferred to a later period, determinable entirely by the strength of their assimilative and constitutional powers. According to the peculiarities of their nature, all children are more or less affected by the transition to their new diet; it, therefore, becomes the duty of their mothers most solicitously to watch its general effects on their sleep, appetite and dejections, for the purpose of having the slightest disturbance of the system counteractcd in its rise.

Milk of the cow ought invariably to constitute a chief ingredient in the food of children, for many months after the suckling state has terminated. Light dishes, prepared in the usual manner, of flour, oat meal, biscuit or powdered bread, rice, arrow root, tapioca, manna croup, sago milk, salep, soft boiled eggs, animal jellies, isinglass boiled in milk, beef tea, soups made from chickens or veal, and fishes of the least oily kind, may at the same time be given to them, in varying quantity and richness, according to their rising age. Wine, even the mildest, excites the whole organic nature of infants, by farther accelerating the rapidity of its vital movements; nevertheless, some of it, diluted and sweetened, may be occasionally administered to pale, languid individuals possessing a sluggish constitution: such are often predisposed to have intestinal worms, to the growth of which the wine may prove unfavourable. Coffee, tea, chocolate, and fruit,* are not necessarily unsuitable to the circumstances of infants and children, more than to those of persons in riper years: each of them is naturally refreshing and exhilirating, and their effects first on the assimilating, and ultimately on the nervous organs, must alone determine the propriety of their use being continued. After passing the second year of life, the infant begins making rapid approaches, in the developments of his organization and his mind, to what shall afterwards dis-

^{*}Ripe fruit conduces, in no manner of way, to the production of intestinal worms; and, it is a pure error

tinguish their character in youth and manhood; the manner, therefore, and the kind, and the propor-

his ever-varying conditions.

nance and such cares should be requisite to the period been fashionable with a certain class of moproper management of man's earliest infancy; that ralists, who were more rigid than correct, to decry fineness of skin and hair, symmetry and regularity parent then who best fulfils an intention so wise the sports of the turf; and, further, to contend that of proportions, elegance and grandeur. As a proof and so beneficent, at the same discharges best an the breed of horses having received all the improve- of the latter qualities, the highest dressed horses of important and praise worthy duty to nature, to ment of which it is susceptible from the blood the ancient emperors were invariably of the highherself, and to her beloved offspring. It is not horse, the further propagation of the latter is use-est cast of Arabian or southern blood. enough, however, that children be taught, (solely less; they would further have horse racing abolishby the dread of derangement in their health,) to place restraint on the movements of young desire:

But the use which these sort of reasoners would turf, as being the indispensable test by which to it ought to be strongly and permanently impressed propose to derive from the racing breed, would soon try the purity of our blooded stock, and the only upon their judgment, that the preferring certain destroy itself. They do not consider that in racing certain means of insuring its preservation: that the kinds of food to others, merely for the love of them, the necessity for thorough blood is obvious and imis a degrading and sensual appetite, which tempe perative, and such is a sure ground of its preser-most useful species of the whole genus, since he rate men have always hated, and the virtuous despised.

SPORTING CLIO.



(From the Petersburg Intelligencer.) ANNALS OF THE TURF-No. VI.

Respectfully inscribed to the Amateur, the Sportsman and the Breeder of the Virginia Turf Horse.

"The transcendant consequence of the horse to "The transcendant consequence of the horse to speed and wind of the cavalry horses of Colonels ty and gentry: by men who are ranked as her chief man in every possible stage of human existence, Lee and Washington, during the revolutionary war, statesmen. The decline of this sport has frequenthas been the invariable theme of writers on the give those commanders a decided superiority over ly been predicted in that country, particularly at subject from the earliest records of time. Indeed it the enemy in the kind of warfare they waged, unfortunate periods of war and distress; but it has variety of animals destined by nature to human use, were not those horses procured in Maryland and which can, with the least prospect of success, dispute with the favourite horse the palm of his master's prediction and attachment. It is an attachhorse, from their ability to carry high weights, was sent; never was better attended them at the later and ment of a truly rational nature, and to a most wor-thy object. The very idea of being supported at they rode to war in heavy armour, and always seease by an auxiliary and borrowed animal power, lected and preferred for this purpose their highest and of being safely borne from place to place, at bred horses, which were also frequently covered, will, with a pleasant and gentle motion, or with the like their riders, in heavy armour. In former times East and West Indies, have been long indebted for minds of the first discoverers of the mighty benefits horses; but later observation and experience have of the horse, with ineffable delight. Such sentifully convinced them that only those that are thoments and feelings respecting this noble animal rough bred (notwithstanding the popular clamour spirit, and are infusing into her citizens a due sense have been constantly entertained and handed down of their deficiency in bone,) are adequate in speed, to us from the earliest ages. The general beauty, strength and durability to long and severe chases brute animals, could not fail of inspiring admira- an opposite description that may be brought into for this fascinating and rational amusement, and to tion in the breasts even of savage and untutored the field. men. Time and the improving faculties of man, gradually developed the various uses and qualifications of the horse. Endowed by nature with a porthem superior in the plough and wagon, provided the Carolinas, Georgia, Kentucky and Tennessee tion of intellect, with a generous pliability of dis- they have the requisite size, arising from quicker have always looked for a supply of blooded stalposition and fortitude of heart, with vast and energetic bodily powers, he was found capable of bearting a sort of social part in all the pleasures and labours of man. He was associated with his master labours of man. He was associated with his master labours of man. He was associated with his master labours of man. He was associated with his master labours of man. He was associated with his master labours of man. He was associated with his master labours of man. He was associated with his master labours of man. He was associated with his master labours of man. He was associated with his master labours of man. He was associated with his master labours of man. He was associated with his master labours of man. He was associated with his master labours of man. He was associated with his master labours of man. He was associated with his master labours of man. He was associated with his master labours of man. He was associated with his master labours of man. He was associated with his master labours of man. He was associated with his master labours of man was associated with his master labours of man. in the pleasures of the journey and the chase; he over a fact, although not generally known, that no to promote so laudable a distinction: let her place shared willingly and with ardour in the dangers of other horses are capable of carrying with expedi- and extend the sports of the turf on the most libethe martial field; and with a steady prowess, partook in the humble labours of cultivating the soil for multion such heavy weights; and were "a thirty stone ral and equitable basis, and let her, in order to give plate (420 lbs.) to be given, and the distance made increased value to her racing stock, speedily publish tall subsistence. By the most illustrious nations of lifty miles, it would be everlastingly won by the either ancient or modern times, the horse has ever thoraugh bred horse. There is only one way in which the highest worth and access the continued.) quence, and treated with a distinction and attentia would be (to use a queer phrase,) to make it a dance befitting his rank as the first of domestic stand-still race; in that case I would back a cart animals, approximating in society and service to horse: I think he would beat a racer by hours." human nature. It is among the most savage and debased tribes of men only, that the breed, condition and carry high weights, arise from the solidity of his by an accumulation of worms in the stomach, which comforts of this noble animal have been neglected."

Complaints of this nature are sometimes caused by an accumulation of worms in the stomach, which bones, the close texture of his fibres, the bulk and in the first stage create giddiness, and end in violent

Nature, in fine, has provided, that such suste- which his conformation adapts him. It has at every elasticity of his muscular appendages. vation. Were the sports of the turf to be aban- was applicable to every possible purpose of labour doned, that unerring test, by which to ascertain the in which horses are used, either for the saddle, for purity of the blood, and the other requisite quali- war, parade, hunting, the road or quick draught, ties of the race horse, would be lost; and, conse- and even for the laborious services of the wagon quently, that glorious and matchless species, the and plough. It now only remains to make some rethorough bred courser, would, in no great length of marks (as connected with the above topics) on the time, become extinct among us-and with him all standing and prospects of future patronage which his noble and valuable properties, and his place be the sports of the turf have in England and this supplied by a gross, ill-shaped, or spider-legged country. It is an undeniable fact that the high demongrel, which would insure the degeneration of gree of improvement to which the blood stock of the whole race. I would ask, is not a cross of the horses in England have attained, is mainly owing blood horse upon the common stock indispensable to the liberal and weighty patronage which has to insure us light footed and quick moving saddle invariably been extended to the sports of the turf horses? Where do we go for the parade or ca- in that country; it is patronized as a national amusevalry horse, if it is not to the blooded stock, or to ment by the royal favour and munificence, and dithose highly imbued with that blood? Did not the rectly encouraged by the most distinguished nobiliis impossible to conceive any other, out of the vast where celerity of movement was all-important; and been steadily maintained for more than a century, rapidity of lightning, must have impressed the in England, their hunters were only half bred their most valuable stocks. the harmony of proportion, the stateliness and deli- with fleet hounds, particularly over a deep country, every other state in the Union in raising fine horses eacy of the superior species of this paragon of and that they will always break down any horses of

been esteemed of the highest worth and conse- which a bred horse would be beat at high weights;

This quotation, from a very splendid English substance of his tendons, and from his whole necuwork on the blood horse, is no less just in sentiment liar conformation. His superior speed and endutions of his nourishment, should be modified, by than beautiful in language. It is proposed in this rance originate from his obliquely placed shoulders. concomitant advances, so as to suit the changes of number to treat of the value of the blood horse to depth in the girth, deep oval quarters, broad fillets. our common stocks, and of the various uses to pliable sinews, and from the superior ductility and

It is also from the blood horse that we acquire

The object of the preceding remarks was to better attended than at the late meetings. number of blood horses annually exported from

In Virginia the sports of the turf have been revived, and are extending over the state with great of their importance in giving value to the race horse. Virginia has long held a pre-eminence over -and it is mainly to be attributed to the passion The value of the racing blood when crossed upon both during adverse and prosperous times, since

DISEASES OF DOGS.

CONVULSIONS OR FITS.

convulsive paroxysms. be attributed to worms, the animal will have an commerce, is one in which the Managers take a at least one hundred pounds have been made. The itching at the nose and fundament, and will sneeze deep interest; and to promote this important obtrequently. In this case, the best treatment is what ject, these exhibitions are established. Both parliar been already prescribed for worms. When the same invited to give them their warmest support; merit. A silver medal. convulsions proceed from other causes, which will producers by sending specimens of their goods, &c. be generally known by a wild appearance in the and buyers by attending, and thereby becoming acanimal's eyes, frothing at the mouth, when labour quainted with what they can procure at home, on ing under the most violent paroxysm of convul- as good or better terms than elsewhere. sion, the dog may be recovered by being thrown into the water, perhaps a backet of water thrown made to discharge the duties incumbent on the over him might answer the purpose; but this is Managers, in such a manner as should serve all faced, weighing not less than seventy pounds. The merely a temporary relief; and to eradicate the disparties; and they feel gratified that their exertions anvil made in any state of the Union. A silver ease, recourse must be had to something more effective given so much satisfaction to the public. On medal. feetual. In the first place, the animal should lose a the present occasion, an assurance is given that the tew ounces of blood (from three to six ounces, ac-same zeal and attention will characterize the ensucording to his size and strength,) when the follow- ing October exhibition. ing should be administered:-

Jalap, one seruple; Cream of tartar, half a dram; Water, one ounce,

been bled; the other half in two hours after, well as one of the objects of this exhibition is to give of wrought iron, for the purposes of clothiers, prinshaken:—a rowel should afterwards be put in the activity to industry, the Managers leave it to every neck, and kept open for a considerable time; the depositor, to take such means of publishing his diameter, and of the usual length. It must perform following should then be given:---

Peruvian bark, half an ounce; Water, half a pint;

be given every two hours, the animal afterwards to be kept on a mild nearishing diet.

When convulsions arise from indigestion, the following has been generally found efficacious:-from two to eight grains of tartar emetic (according to the age and size of the dog,) and in two days after, of goods; and their decision will be adhered to; the give the following:-

Calomel, six grains; Barbadoes aloes, half a dram.

Divide into six doses, and administer one every or perhaps every other morning, as you may judge the patient can bear it: when you may give tonics, as recommended under the head Distemper,

What is called the megrim or giddiness in the head, is a species of fit, and may be removed by bleeding. The same disease is, by some, denominated falling madness (a ridiculous name certainly.) from, I suppose, the animal occasionally falling from giddiness. When thus afflicted, the dog will frequently rub his feet against the sides of his mouth, and appear as if he had a bone in his throat. Any of these symptoms will give way to the treatment just described: and where the disorder is not very violent, it may generally be removed by bleedword or two on the best mode of performing the operation, under a distinct head.

MISCELLANEOUS.

PROPOSALS OF THE FRANKLIN INSTI-TUTE, OF PHILADELPHIA,

For the Exhibition of October, 1826.

Addressed to the Manufacturers of the United States.

State of Pennsylvania, for the promotion of the invited to address themselves to any member of the Mechanic Arts, having determined on Wednesday, committee on premiums, by letter, post paid, to October 3, 1826, for holding the third annual exhi-which due attention will be given.

A gold medal.

16. To the maker of the greatest quantity of Glassware, not less than 100 lbs. The feel used in bition, they respectfully inform their fellow citizens of this arrangement; and invite, not only the manufacturers and artists of Pennsylvania, but those of all the Union, to send to this Exhibition, the products of their industry, skill, and ingenuity.

Amongst the various objects of the Institution,

It being impossible for the Managers to make a proper arrangement of the articles, if not received previously to opening the exhibition, it will be indispensable that goods should be at the place of de- of silversmiths. A silver medal. mixed; half taken the morning after the dog has posit, on, or before the 29th day of September; and place of residence, shall be attached to the articles. of wrought iron. A silver medal.

The following premiums are offered to promote sweet spirit of nitre, one dram: a table spoonful to sweet spirit of nitre, one dram: a table spoonful to country; to be awarded at the ensuing exhibition, now in use, capable of weighing at least twenty to the makers of articles, in the opinion of the pounds; the beam made in the United States. A judges, deserving of the proposed rewards.

the merit of each branch of manufacture, or kind Pennsylvania. A silver medal, Managers of the Institute reserving to the insti

Although the Institute is not in circumstances to ed. A silver medal. offer premiums for so many interesting articles as ing compliments and rewards for such as are not 60 inches.) A silver medal. specified in the list of premiums, where there exist distinguishing marks of superior usefulness, perfections, suitable for stills or boilers, not less than thirtion in workmanship, beauty, or ingenuity.

To insure partiality and inspire confidence, it has shall receive any premium or compliment.

ground for expectation that they will be claimed.

peting for premium. No premium will be given on and of the effect which it produces. account of any article that has obtained one at has aiready been before the Franklin Institute .--Where the price forms one of the conditions of the been some time in use, of the quantity of coal conpremium, the makers must comply with the requi-sumed, and of the effect produced. sition, before they are entitled to the compliment.

Franklin Institute, any time after the first of next the ore, using no other fuel but anthracite, during The Managers of the Franklin Institute of the August. Persons desiring further information, are the year ending September 1, 1826. The quantity which due attention will be given.

LIST OF PREMIUMS

Offered by the Franklin Institute of the State of Pennsylvania, and to be awarded at their third annual Exhibition, in 1826.

that of making producers and purchasers acquaint-ed with each other, and developing the capacities least ten pounds, in bars of one half inch square, or 18. To the maker of the best Crucibles of earth-

When the complaint is to of the country to supply its wants, and sustain its smaller, must be exhibited; with a certificate, that

2. To the maker of the best specimen of Cast Iron Pipes, manufactured in the United States; samples not to be less than one hundred feet, of one inch calibre, in sections of at least four feet long: soft iron, and clean. A silver medal.

3. To the maker of the best smith's Anvil, steel

4. To the maker of the best specimen of soft iron castings fit for small machinery, to be cast free from sand and smooth; 50 lbs. to be exhibited. A silver medal.

5. To the person who shall have made in Pennsylvania, the best Rollers, suitable for the purposes

6. To the maker of the best Mill or Press Serew, ters, book-binders, &c., not less than 25 inches in prices and terms, as in his judgment shall appear its revolutions in the box without variation at the best; but it is required, that the owner's name and lower end, or pressing point. The box to be also

7. To the maker of the best and most perfect

silver medal.

8. To the maker of the best Instruments for opc-The premiums will be awarded by committees appointed by the Board of Managers, to decide on rations on the Eye; the instruments to be made in

9. To the maker of the best Table Knives and Managers of the Institute reserving to themselves Forks, at least one dozen pair to be exhibited. A

Brass; not less than twenty sheets must be exhibit-

11. To the maker of the best Brazier's copper. might be desired, it will exercise the right of award-not less than twenty sheets to be exhibited, (30 by

12. To the maker of the best raised Copper Botty inches in diameter. A silver medal.

13. To the inventor of the best constructed grate, been determined that no committee shall award a or stove, for burning anthracite. A silver medal. premium to any of its members; and no Manager The object of this premium is, chiefly, to obtain a grate suitable for domestic purposes, which will It will be observed, that several premiums offered unite convenience with economy, and which may the last year, for important objects, have now been be used for cooking. Tastefulness of design, though omitted; but the Institute will renew the offer of not a primary object, will be considered, as far as ing; which, as it has formed a principal feature them, whenever there appears to be a reasonable for the last few pages, it may not be amiss to say a ground for expectation that they will be claimed. Proof of origin will be required in all cases com- time, of the quantity of coal which it consumes,

14. To the inventor of the best constructed furany other place, or from this Institute on a former nace for consuming anthracite in generating steam, occasion; or, that is of a quality inferior to what to be applied to steam engines. A silver medal. Certificates will be required of the furnace having

t5. To the person who shall have manufactured Articles may be deposited at the Hall of the in Pennsylvania, the greatest quantity of Iron from

the manufacture to be not less than & anthracite

coal. A gold medal.

17. To the maker of the best Flint Glassware; a variety of articles must be exhibited, and the excellence of their form, as well as the quality of the 1. To the maker of the best Cast Steel, manufac-material, will be considered in awarding this pre-

enware, or other cheap material, suitable for brass heat, as well as those made of black lead; and to stand at least seven heats in a brass founder's furnace. They must be capable of holding at least be exhibited, together with a certificate of their the gloves made in Pennsylvania; not less than a having been made in the United States. A silver dozen pair to be exhibited. A bronzed medal. medal.

19, 20, 21. To the makers of the best pottery of Red and White Earthenware and China, from medal. American materials.—For each a bronzed medal.

22. For the best Glaze, made without lead, sufficiently cheap to be applied to common pottery.-

A silver medal.

- 23. To the manufacturer of the best piece of Black Broad Cloth, made in the United States; not less than ten yards to be exhibited. A silver medal. exhibited. Regard will be had, in awarding the Regard will be had to the quality of the dye, as well as of the cloth.
- 24. To the manufacturer of the best Flannel, made in Pensylvania, not less than forty yards to be medal. exhibited. A silver medal. Assurance must be given, that three hundred yards at the stipulated price, will be furnished, if required.

25. To the manufacturer of the best Green Baize, and at the price named, if required. made in the United States; not less than fifty yards

to be exhibited. A bronzed medal.

26. To the maker of the best Woollen Blankets, made in the United States; one dozen pair to be exhibited. A silver medal. The blankets to be from shall have invented an apparatus practically supeand no premium awarded unless the quality be chor. A silver medal.

equal to the imported article.

50. To the person who shall indicate to the In-

Carpeting. A silver medal. A piece of not less timber in ships, or other works, against the effects than twenty yards to be exhibited, with a certificate of the dry rot. The process must be such as can be of its having been made in the United States.

28. To the maker, in Pennsylvania, of the best Worsted Stockings, not less than one dozen pair to same price, if required.
29. To the manufacturer, in Pennsylvania, of the

best Loom Cotton Stockings; not less than one

dozen pair to be exhibited. A silver medal.

30. To the manufacturer of the best specimen of silver medal.

31. To the manufacturer of the best specimens of United States; not less than fifty yards to be ex-

hibited. A silver medal.

- 32. To the manufacturer of the best specimen of A silver medal. Salempore, manufactured in the United States, in imitation of that imported; not less than ten pieces article, its colour, as well as texture, will be con- Plat, suitable for bonnets. A silver medal. sidered.
- 33. To the manufacturer of the best Cotton Ticking, made in the United States. A silver medal.
- 34. To the manufacturer of the best Cotton 1st of September, 1826. A silver medal. Cloths, of superfine quality, in imitation of English Cambric Muslin. A silver medal.

35. To the person who shall have produced in Pennsylvania, and reeled, during the year ending October 1, 1826, the greatest quantity of Raw Silk,

57. To the family in Pennsylvania, which has not less than ten pounds. A silver medal.

36. To the maker of the best specimen of Morocco, made in the U. States, not less than twelve pieces

- to be exhibited. A silver medal.
- 38. For the best specimen of Hog Skins, dressed

40 To the maker of the best Buckskin Gloves, founders. The crucibles must be able to resist the leather dressed in the United States, the gloves Mantles, of Pennsylvania Marble; the design, as made in Pennsylvania; not less than a dozen pair to well as execution of the work, will be considered. A be exhibited. A bronzed medal.

41. To the maker of the best Kid, or Sheep Skin

and Book Case. A silver medal.

44. To the maker of the best Pier Table. A silver medal.

45. To the maker of the best Mahogany Chairs and Sofa. A silver medal. One dozen Chairs to be

dal. Assurance must be given by every competitor, that he will furnish 500 hats, equal in quality,

48. To the maker of a Hydrant, that shall be adjudged superior in principle, to any now in use. A

silver medal.

27. To the maker of the best specimen of Ingrain stitute, a method better than any in use, to protect tensively used in England, Germany, &c. applied on a large scale, without too great an expense. A silver medal.

51. To the individual, or company, in Pennsylva-

A silver medal.

tained, not to be less than twenty gallons.

56. To the person in Pennsylvania, who has made the colouring feculæ. the greatest number of Straw, or Grass Bonnets;

of each colour, to be exhibited. A bronzed medal. 37. For the best specimen of Skirting Leather, 50 lbs. to be exhibited. A silver medal. Assurance until it loses its colour, when it tanned and dressed in Pennsylvania, twenty sides must be given that twenty tons will be furnished of the true point of fermentation." the same quality, at the same price.

59. For the best specimen of Lithography, to be

6t. To the maker of the best pair of Marble silver medal.

62. To the Pupil of the Drawing School of the forty pounds of metal; one dozen of crucibles must Gloves, the leather dressed in the United States, Institute, who shall make and exhibit, in October, 1826, the best specimen of Drawing. A silver medal. All the specimens included for competition 42. To the manufacturer of the best Japanned must be prepared in the school, and under such re-Leather, prepared in the United States. A bronzed gulations as may be enjoined by the Professor of medal.

Drawing. They will be submitted to a committee 43. To the maker of the best Cabinet Secretary of Judges, who shall decide which specimens are worthy of being exhibited to the public, and from among these the best shall receive the premium. The Professor of Drawing shall be ex-officio a mem-

ber of the committee of examination.

63. To the person who shall discover and make known to the Institute, previous to the 15th of Aupremium on cabinet ware, to the taste exhibited in gust, 1826, a bed of infusible Clay, suited for the the design, as well as to excellence in workmanship, manufacture of Fire Bricks or Crucibles. A silver 46. For the best Beaver Hat, price \$9. A silver medal. The bed of clay must be situated in Pennsylvania. It must be of sufficient extent to admit 47. For the best Fur Hat, price \$4. A silver mc- of its being used in the arts. A barrel of it must be delivered to the Curators of the Institute, (free of charge) on or before the 15th of August, in or-der that it may be tried. The object of this premium is to obtain a clay analogous to that of Stour-bridge, in England; it being considered that the substances now used in the manufacture of fire bricks in this city, are not properly infusible clays, but mixtures of common clay with the micaceous two to four points; regard will be had to the weight, rior to any now in use, for heaving up a Ship's An- sands, resulting from the disentegration of the granitic rocks in this vicinity; and that they afford but a very indifferent substitute for the fire clays so ex-

ON MANUFACTURING OF INDIGO.

(From the New York Statesman.)

In making of indigo, the principal difficulty conbe exhibited. The price will be considered. A silnia, who shall construct a Marine Rail way, for sists in obtaining a due degree of fermentation. If the medal. Five dozen pair to be furnished at the hauling ships out of the water fur repair, or other this be carried a little too far the product will be purposes, the same to be completed within one year.

A silver medal.

52. To the person who shall have made in Pennsylvania, the greatest quantity of Oil, from any very expense will exceed the value of the product, and sylvania, the greatest quantity of Oil, from any very expense will exceed the value of the product, and sylvania, the greatest quantity of Oil, from any very expense will be weak. The same results take greatly raised in this state. 30. To the manufacturer of the best specimen of getable raised in this state. A silver medal The place in woad dyeing. The proper time of gather-furniture Calicocs, (Chintzes) made in the United oil must be of a quality suitable to be used as a sub-ing the plant, and impregnating the feculæ with States; not less than fifty yards to be exhibited. A stitute for Florence or Olive Oil—the quantity ob-oxygen after the tingent matter has been extracted by fermentation, are processes mure easily defined, 53. To the person who shall cultivate the great- and more readily acquired by practice; consequent-Calicoes, or Prints, for ladies' dresses, made in the est quantity of Madder-the produce of not less ly the young practitioner should first devote all his than a quarter of an acre. Samples must be ex-attention to the ascertaining the due degree of ferhibited, with a certificate of the quantity produced mentation, and when this is acquired, he will soon silver medal.

54. To the person in Pennsylvania, who, from the done in any other country. This knowledge could 1st of January, to the 1st of September, 1826, shall best be acquired by making experiments on a small to be exhibited. A silver medal. In estimating this have plaited the greatest length of Straw or Grass scale, in small vessels. The steeper could easily be made of a pipe or hogshead cut in two, and the 55. To the family in Pennsylvania, which has other half would answer for the battery, or that plaited the greatest length of Straw or Grass Plat, vessel into which the fermented liquor is drawn suitable for bounets, from the 1st of January, to the from the plant, for the purpose of agitating it, and causing the atmospheric oxygen to combine with

I shall proceed to give the opinions of different

"After the indigo has been steeped, (or scalded,) draw off a little of the water, and with a pen dipt made the greatest number of Straw, or Grass Bon-linto it, make a few strokes on white paper. The nets, from the 1st of January, to the 1st of Septem-ber, 1826. A silver medal. This ope-58. To the manufacturer of the best White Lead; ration is to be repeated every quarter of an hour, 50 lbs. to be exhibited. A silver medal. Assurance until it loses its colour, when it will have arrived at

Mr. L's Opinion.

"Let a small hole be made in the steeper six or in Pennsylvania, two dozen skins to be exhibited. A silver medal.

39. For the best set of Gig, or Coach Harness, made in Pennsylvania. A silver medal.

39. For the best set of Gig, or Coach Harness, made in Pennsylvania. A silver medal.

30. For the dest speciment of Pennsylvania, two dozen skins to be exhibited. A silver medal.

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31. For the dest speciment of Pennsylvania, two dozen skins to be exhibited. A silver medal.

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39. For the best speciment of Pennsylvania, two dozen skins to be exhibited. A silver medal. the cistern, from whence it drops into the battery, it ant, under this form, continues to move for some extricated from its enveloping membrane, it was will turn of a copperish colour. This copperish hue. moments after its quitting the state of a larva, but it as the fermentation continues, will gradually ascend soon becomes immoveable: it afterwards changes dom, and taking flight: nature did not will it that it upwards to the plug, and when that circumstance is gradually in colour, passing from a line white to a should so soon be independent of the labourers. It perceived, it is proper to stop the fermentation.

particular attention should be paid to the smell of ments of wings may at this time be seen in those membrane, from which it could not, by its own exthe liquor which weeps from the aperture; for should which are destined to fly. The pupe have still ertions, disengage itself, it discover any sourcess, it will be necessary to let many attentions to receive from the workers; the the fermenting liquor run immediately into the batgreater part are enclosed in a tissue spun by themnot forsake it; they removed the satin-like pellicle
tery, and lime water of sufficient strength must be
added, until it has lost its sourness. As it is runlike other insects, liberate themselves from this antennae gently from their investment, then disenning off it will appear green, mixed with a bright covering by effecting an opening in it with their gaged the feet and the wings, and lastly, the body, yellow or straw colour, but in the battery it will be teeth. They have scarcely the power of moving; the abdomen, and its peduncle. The insect was

of a beautiful green.

in a cup or plate, appears curdled or coagulated, a fit time, from some noise produced in the interior of pied in giving liberty to the males, and strong impregnation of lime water is gradually add-the prison, by the insects whose development has young labourers, that were still enveloped. On beed, not only to promote a separation, but likewise commenced; but there is no indication favouring ing dispossessed of their coverings, the remnants

proper colour, when the liquor is sufficiently worked, ceived. Too small a degree of agitation leaves the indigo are displayed, as it regards their charge, a zeal and single worker could accomplish this operation. I there-

brings it to be almost black.

and the pulp granulated, it is left undisturbed until sects; how much greater then must be our astonthe coloured seculæ settle at the bottom, when the ishment, when we consider that they bear no further

mentation, the colour is a bright bronze green with teeth at that extremity answering to the head of the leeted by the workers.—T. vellow streaks, and I have no doubt that were suffi- pupa; they began thinning it, by tearing away cient caustic lime added by the indigo maker, when some threads of silk where they wished to pierce it; fermentation and prevent its going to excess, that cotton; and if warmed to a proper degree, on wool-attempted to enlarge these openings, by tearing or its oxygen, becomes white, and never can be made, coon, through the apertures they had formed, and by any process yet discovered, to re-absorb oxygen. This excess is seldom permitted to take place by a the proper bounds, and though he can stop its progress with caustic lime, and bring on a new fermentation, so as to continue working the vat, yet he sary to enlarge the opening; for this purpose, these always loses a portion of the indigo, and the quantity lost will be in proportion to the excess of the fermentation. A similar loss must be sustained by the indigo maker, when he permits the fermentation of his steepening liquor to go too far; it is, of agitation prevailed in this part of the ant-hill; a the operation.

I shall continue the subject, in one or more essays, at as early a period as possible. HOPSON

NATURAL HISTORY

OF THE EGGS, LARVE, AND PUPE OF ANTS. (Concluded from page 135.)

Pale yellow; then becoming red, and in several specular neither fly, nor walk, nor without difficulty During the progress of this part of the business, cies, brown, almost verging to black. The rudi-stand; for the budy was still confined by another "The tincture being thus discharged into the battery, it is there churned or agitated until the dye it without the assistance of the workers. But how The lirst attention therefore, paid it by the guarbegins to granulate, or float in little flakes on the do these indefatigable attendants ascertain the pro-dians, was that of giving it the food I had placed water. When the fluid has been well churned for per moment for this process?-If they possessed the within their reach. the space of fifteen or twenty minutes, and being faculty of hearing we might imagine they knew the to fix the colour, and preserve it from putrefaction, this opinion; it is probable they have a knowledge were collected and placed aside in one of the most "But the operator must carefully distinguish the of it from some slight movements that take place distant lodges of their habitation; for these insects different stages of this part of the operation, and within, which they ascertain through the medium of observe the greatest order and regularity. Some attentively examine the appearance and colour as their antennæ; for these organs are endowed with species of ants remove these shreds to a distance

tissue, so extremely difficult to break, they formed to which they were desirous of giving liberty, but before they could release it, it was absolutely necesguardians cut out a portion in the longitudinal di-

anitted to ooze through it. After the plants have ing but strength and a little more consistence: it is some raised up the portion or bandalette cut out in been steeped some hours, the fluid oozing out will also as large as it will ever be; all its members are the length of the cocoon; whilst others drew it appear beautifully green, and at the lower edge of distinct, one single pellicle envelopes them. The

In this fresh embarrassment, the labourers did their covering is of too compact a texture, and now in a condition to walk and receive nourish-

The ants in every part of the ant-hill were occuthe work advances; for the grain passes gradually a sensibility, of which it would be difficult to form from the ant-hill, others, cover the exterior surface from a greenish hue to a fine purple, which is the a just idea: whatever it be, they are never delar apartments.*

an attachment which would justly merit our atten- fore placed in a wine glass with a little moistened earth "The liquor being properly and sufficiently worked, tion, even were they the real parents of these in one of the yellow ants with three or four pupæ; the first object with this little creature, was that of excavating a chamoer for the deposition of its treasure. The puincumbent water is drawn off, and the indiga distributed into small linen bags to drain; after which it is carefully put into little square boxes or moulds, and suffered to dry gradually in the shade."

The pure incumbent water is drawn off, and the indiga distributed into small linen bags to drain; after which is the carefully put into little square boxes or moulds, and suffered to dry gradually in the shade."

The pure is the consider that they bear no lutriner at the deposition of its treasure. The pure the tributed into small linen bags to drain; after which is same roof. Several males and females lay in their the deposition of its treasure. The pure the tributed into small linen bags to drain; after which is sufficient to them, than that of being born under the deposition of its treasure. The pure the tributed into small linen bags to drain; after which is a series of the cocoons, and the worker with his assistant engaged of the cocoons, and the worker with his assistant engaged in giving liberty to the remaining ants. I did not at and suffered to dry gradually in the shade."

There is, throughout the operations of indigo making and woad dying, a striking similarity. When the woad vat has arrived to a perfect stage of ferof these cocoons, endeavouring to open it with their to the statement of De Geer, the pupa dies when neg-

* M. Latreille has remarked, as well as Dc Geer, that, among the ash-coloured ants, there are some puthe liquor is drawn from the steep, to regulate the and at length by dint of pinching and biting this pæ which are naked, others enclosed in a cocoon; but he does not know if there are any that undergo their excellent colours might be made in the battery on in it a vast number of apertures. They afterwards off their enveloping membrane; however he leans to cotton; and it warmed to a proper degree, or most accompany the sale relen and silk. When the fermentation of the woad drawing away the silk; but these efforts proving inmark. I have even confirmed the conjecture he had vat is carried to a great excess, the indigo loses all effectual, they passed one of their teeth into the co-advanced, and often seen the ash-coloured labourers opening the eocoon of the pupæ, a short period after by cutting each thread, one after the other, with their transformation. The mining ants act the same: This excess is seldom permitted to take place by a great patience, at length effected a passage, of a skilful workman; yet it sometimes occurs that the line in diameter, in the superior part of the web. best of woadmen will permit a liquor to go beyond. They now uncovered the head and feet of the insect it cannot be for the sake of unfolding their members. from the last envelope in the state of pupæ, for the ants do not render them this service until they are capable of motion, and have acquired their full strength: they even know the precise moment when to remove rection of the cocoon, with their teeth alone, employing these instruments as we are in the habit of the larvæ at the time of passing to the state of pupæ? employing a pair of seissors. A considerable degree I have frequently drawn from their eucoons, larvee which had just spun, and which were not yet metamortherefore, of the utmost importance, that he should number of ants were occupied in disengaging the phosed: some days after, they began rejecting their make himself perfectly acquainted with this part of winged individual of its envelope; they took re-larva-skin, but could not disengage their limbs, which, pose and relieved each other by turns, evincing offered them no assistance. These pupæ were never great eagerness in seconding their companions in well developed, and they soon perished. It appears great eagerness in seconding their companions in this undertaking.* To effect its speedy liberation, that these economs offered them a point of support, enabling them to free themselves from the skin which 3 Among those ants I kept in confinement, I observed they are under the necessity of rejecting. It will be that considerable bustle prevailed when any of the pu-objected, perhaps, that the larvae of several species pæ were about to quit the cocoon. For the most part, never spin, and they would of course experience the two or three stationed themselves on or near each co-same inconvenience as those I drew too hastily from The insect in the state of pupa, has acquired the the operation of extricating the imprisoned ant from ed for this case in another manner:—the body of these figure it will always preserve; nothing seems want- its envelope, I was desirous of ascertaining whether a ants is very different from that of others, their elongatlarvæ and pupæ, evince the same sulicitude for the ceived opinion, that these republics are governed ants, freshly transformed: they lie for some days by several chiefs. under the necessity of watching and following them; they accompany them in their excursions, point out to them the paths and labyrinths of their habitation, and nourish them with the greatest care; they also perform the difficult task of extending the wings of REMEDY AGAINST THE EFFECTS OF INK, WHEN JUST the males and females, which would otherwise remain folded up, and acquit themselves with such address, as not to injure these frail and delicate while you have it on, let one hold the spotted part members.

At one time, they bring together, in the same apartments, the males they find rambling; at another time, act as guides in conducting them from necessary; or if the rulle, apron, &c. be at liberty, the ant-hill. In short, the labourers appear to have let it be dipped into a bason filled with water, and the complete direction of their conduct, as long as there squeezed and dipped in again, taking care to they remain there, and neglect not to discharge the change the water in abundance every two or three several duties connected with these insects (whose squeezes. If the ink be spilled on a green table strength is not yet developed,) until the period of carpet, it may immediately be taken out with a teatheir taking flight for the purpose of continuing spoon so entirely, that scarcely any water at all their kind.

which the labouring ants evince for the little ones has nature attached them so strongly to the progeny of another mother! This question having a refersorts of individuals,-the labourers, charged with the educating the young, fabricating, and providevolves of multiplying the species,-deserves to be happened. treated at greater length, and with greater attention than our confined knowledge permits. But we have a glimpse, however, of the secret of this singular constitution, in the resemblance the labourers have with the female ants, relatively to their external sexual organs. The connexion which exists between ants, and hive and humble bees, throws additional light upon this subject, by shewing us labourers demi-fecuad with the one,* and little rival females, abundant enough with the other.† That solicitude also which the labouring auts evince for the larvæ, whose birth they have witnessed, clearly discovers their sex, and would be sufficient to prove that they are neither neuters nor males, even if the conduct of the males towards them, did not indicate that they belong to the class of females. This observation, which I have several times made, (the details of which I suppress,) leaves me in no doubt upon this point. I shall here only add, that I have never known the labouring ants produce eggs, and have constantly found the approach of the male attended with the sacrifice of their lives.

But with what view does nature permit as many sterile females among ants as among wasps and bees? Is it not in order to increase the number of ances of great personal regard. individuals in the same family, without producing a population that would be more than proportioned to it? In reserving a certain number of females for their young, or by their having an unlimited power liek, has or can sec. over the other orders of the society in which they live; a truth which I hope to establish in the course

ed peduncle gives greater liberty to the abdomen, to move, bend, and extend itself, than the peduncle of the first, which is closely attached to the corslet. They to a state of lethargy .- A.

* Nouvelles observations sur les Abeilles, per F. Hu-

The labourers we have seen in charge of the of this work, and which differs widely from the re-

RECIPES.

SPILLED.

If the ink be spilled on a ruffle, or apron, &c. between his two hands over a bason and rub it. while another pours water gradually from a decanter upon it, and let a whole pitcher-full be used if shall be wanted afterwards, provided it was only How can we sufficiently admire the assiduity that instant spilled, as the down of the cloth prevents the immediate soaking in of the ink, or of any whose safety is confided to them!-By what bond other liquor (except oil); but if it have lain sometime, be the time ever so long, provided the place be still wet, by pouring on it fresh clean water by ence to the different families composed of three little and little at a time, and gathering it up again each time with a spoon pressing hard to squeeze it out of the cloth into the spoon, you will at last bring sioning the nest; and those upon whom the effice it to its natural colour, as if no such accident had

REMEDIES AGAINST FLEAS.

Fumigation with brimstone; or the fresh leaves of penny-royal sewed in a bag, and laid in the bed, will have the desired effect.

TO PREVENT WOUNDS FROM MORTIFYING.

Sprinkle sugar on them. The Turks wash fresh wounds with wine, and sprinkle sugar on them. Obstinate ulcers may be cured with sugar dissolved in a strong decoction of walnut leaves.

BALTIMORE, FRIDAY, JULY 21, 1826.

To Correspondents.—Columella has been received-and though we have never had a correspondent for whose motives and abilities we have higher respect, it would be more agreeable to us, and, as we are persuaded, to him, to avoid further discussion in that particular case. We ask his acquiescence as a favour to ourselves, under assur-

To Cecrops, whom we have not the pleasure to know, we must say, that we much regret that he should take offence at the course we have adopted. conception, she has appointed others to take care Foreseeing what would ensue, we would have avoidof the infant generation. She has even deprived ed the publication of his first piece, but he insisted. the latter of the faculty of flying; but in return for The writer attacked had the privilege of replying, this, they enjoy a sweet recompense, either (as we and there the dispute was arrested. If there be have no reason to doubt) by their being inspired for any offensive allusion in what has been designated their charge with the sentiments of mothers for by Cecrops, it is more than the Editor, or the pub-

CONTENTS OF THIS NUMBER.

Essay on the value and use of Oxen in the southern and middle States in comparison with Horses, by R. K. Meade, with a cut-On the cultivation of Turnips, by Robert Sinclair-Mowing Match-Experimental Farms have, in addition, a sting which may also facilitate their development, for the pupe at first possess much strength and vivacity, although they soon after pass into a state of letharcy.—A. Franklia institute of Philadelphia for the Exhibition of October, 1826, addressed to the manufacturers of the United States-On Manufacturing of Indigo-Natural † V. Linn. Trans. vol. vi. Memoir upon Humble Becs, history of the eggs, larvæ, and pupæ of Auts, concludated the author of these researches.

PRICES OFFI

PRICES (UR	REN	T.		
		WHOLI	ESALE.	RET	AIL.
ARTICLES.	per.	from	to	from	to
BEEF, Baltimore Prime,	bbl.	7 50	8		
BACON, and Hams,	1b.	5	9	9	12
BACON, and Hams, BEES-WAX, Am. yellow	_	31	33		50
COFFEE, Java,	_	17	175	25	25
llavana,		15	161	1	20
COTTON, Louisiana, &c. Georgia Upland,		13 11	14 124		
COTTON YARN, No. 10,	_	30	3		
An advance of 1 cent	_			1	
each number to No. 18.	-				
CANDLES, Mould,	-	121	14	16	18
CHEESE,		10	12	12	14 15
FEATHERS, Live,		30		37	10
FISH, Herrings, Sus.	bbl.	2 371		9	
Shad, trimmed,		7 00		1,	
FLAXSEED, Rough,	bush bbl.			5 00	
FLOUR, Superfine, city,		4 00		3 00	
Susquehanna, superfi.		4 25			
FLAX,	Ib.	9	- 11		
GUNPOWDER, Ralti.	25 lb	5 00		5 50	
GRAIN, Indian Corn, .	bush	75 1 05	1 10		
Wheat, Family Flour,	_	87	1 10	1	
do. Lawler, & Red, new do. Red, Susque	_	90	95		
Rye,	-	65	70		
Barley,		80		4	
Clover Seed, Red	bush		4 25	4 75	
Rufa Baga Seed,	lb. bush	1 75		2 00	
Orehard Grass Seed, Mangel Wurizel Seed,		1 25		1 50	
Timothy Seed,	-	2 25		3 00	
Oats, Beans, White,	-	50	53		
Beans, White,	-	J 70	0.00	1 87	
HEMP, Russia, clean, .	ton	215 120	220 130	i	
Do. Country	Ib.	15	130	25	
HOPS,	_	7	9	12	
LEAD, Pig	16.	61/2			
Bar	-	8	8½ 23	60	
LEATHER, Soal, best,	gal.	22 46	20	621	75
MOLASSES, sugar-house Ilavana, 1st qual	Sul.	32	3.4	271	
NAILS, 6a20d	lb.	64	1	9	
NAVAL STORES, Tar,	bbl.		1 623	1	
Pitch,		2 1 75			
Turpentine, Soft, OIL, Whale, common, .	gal.			40	
Spermaceti, winter .	-	70		88	
PORK, Baltimore Mess,	1		12 00	1	
do. Prime,	-	8 00		1	
PLASTER, cargo price,	ton bb1		4 00		
RICE, fresh,	lb			5	6
SOAR, Dalitmore white	, lb.	12	14	18	20
Brown and yellow	, -	51/2			12
WHISKEY, 1st proof, .	gal.				50
PEACH BRANDY, 4th pi		36		1 25	
P APPLE BRANDY, 1st pressure SUGARS, Havana White	, c.lb		13	15	16
do. Brown,	, -	s 50	9 50		
Louisiana,	_	7 50	9 50	10	11
Loaf,	Ib.	19	k .		23
Bridge, Cloves,		70		1 00	
Penner .	_	16	1		
Pepper,	busl			75	
Liverpool ground	-	45		75	
SHOT, Balt. all sizes, .	cwt		1	0 10	
: WiNES, Madeira, L. P.	gal.				4
do. Sicily,		1 15			1 75
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WOOL, Merino, full ble		30			vashed
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SKINNER, Editor, by John D. Tov, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

by the author of these researches.

AGRICULTURE.

M'CORMICK'S PLOUGH.

[The maker of these excellent implements presented one to General Lafayette, who submitted it to the Royal Central Agricultural Society of France

for examination and report.

tor of the American Farmer, accompanied by a polite and friendly acknowledgment, to Mr. M'Corinterest and attention, as well for the intrinsick imwith the peculiar regard which is attached to every thing from the pen of one of the most devoted patriots and the most benevolent of men.]

La Grange, May 28, 1826.

The very ingenious plough, of which you have been pleased to make to me a most acceptable present, has been, on its arrival in France, submitted to the examination of the Central Agricultural Society in Paris. Inclosed you will find the report made by a committee appointed for that purpose, and the conclusions which, as you will see by the original letter of Mr. Hugord, the society have adopted. Although I wish to preserve your much esteemed gift, the plough will be at their service for every comparative experiment; and if I did find an opportunity of a call upon you for a number of them, I would not neglect it. Accept, my dear sir, which I am, most sincerely,

Yours, LAFAYETTE.

[Translation.]

Mr. Hachette and I have rendered to the Agricultural Society our report on McCormick's plough. It was accepted by the society. I send you a copy of it; hoping it may be agreeable both to you and to Mr. M'Cormick.

The society have authorized me to have made, at their expense, a plough of the same sort. It is completed, but not as perfectly as I had desired; and I must therefore beg you to allow me to keep

the model some time longer.

I have the honour, General, to be, with the highest consideration, your very humble and most obe-HUGORD, JR. dient servant, Paris, May 23d, 1826.

REPORT

Made to the Royal Central Agricultural Society, at a

an explanation. We shall consequently say nothing of the manner in which the plough works, but shall

best yet devised.

believe that it will answer in the stifest soils. Its be more readily taken to pieces and repaired. lightness leads us at the same time to think, that in

No. 19. -vol. 8.

It appears to possess, in the highest degree, one advantage of simple ploughs; that is, to serve in-port. The nett amount was 75 francs—equal to differently for light or stiff soils, and require (as about \$15.) Messrs. Thacr and Donibasle have again demonstrated,) less power than the wheel ploughs.

Nevertheless, we will not assert that it will be equally applicable to every sort of culture.

Besides this first advantage, it possesses another cost more than about \$13 The result of their inspection of its form and not less important, in the simplicity of its construcprinciples was sent by the General through the Edi-tion. It is held together by seven nut screws, each of the same strength; so that, with a simple iron or plough is simple and constructed on the best prineven wooden peg, you may take it completely to ciples; and we respectfully recommend that one mick; both of which follow, and will be read with pieces and put it together again, when you wish to like it be made, at the expense of the Society, to interest and attention, as well for the intrinsick imchange or alter any part. With the exception of enable us to return the model to Gen. Lafayette. portance of the subject, the plough being the main the mould-board, which is of cast iron, any intelli- who wishes to keep it, at the same time that we implement in all agricultural improvements; as also gent blacksmith or cartwright can replace a piece preserve a copy, for the comparisons which the with the peculiar regard which is attached to every that may have been accidentally broken; and there committee are directed to institute between it and would be no danger of his disturbing the relative others. situation of the various members, for if he should attempt to add a piece not perfectly similar to the injured one, it would not fit without introducing confusion among the whole.

Thus, although this plough can be made, on account of the strict proportion among its parts, only by a skilful mechanic, it can be repaired, at least, by a simple workman; which is a great advantage. A gentleman of landed estates has requested one of Hessian fly, by some peculiar inherent quality .them, which he intends to send to Berri, where the This notion is, I believe, now satisfactorily explod-

plough.

Mr. M'Cormick's plough differs, in several respects, from Small's: The coulter is straight, sharp on both edges, so that it may be turned, and has its edge at the middle of its thickness. This coulter, the cordial thanks, good wishes, and regard, with therefore, cannot serve the purpose, which Thaer attributes to those that are perfectly flat on the left stroyed every shoot above ground, if the season side, that of steadying the plough by allowing it to present a plane surface to the old sod; nor can it will bear grain; but the Lawler is the latest of all present a plane surface to the old sod; nor can it will bear grain; but the Lawler is the latest of all boast the particular advantage of turning aside the wheat, and takes longest to mature. Of course, as

share, and from the sep to the left handle, is vacant in a great degree to the New York white flint, ex-The point of the share is not slightly curved and cept that this last does not possess the recuperative has no entrure, as they call it, but is perfectly flat power of the Lawler, and is not quite so late a on its lower surface, and slopes off rapidly from its thickness. The inventor probably supposed, that that inclination of the surfaces would be sofficient that inclination of the point of the share to resist the propensity in the point of the share to ness of its blade, or the incompressibility of the curve upwards, and believed it to depend in great stalk, or any other quality peculiar to itself, is a measure on the ploughman. He has also added a fallacy dangerous to be entertained, because not regulator, to raise or lower, as it is intended to founded in fact. There is a difference in the stalk

prepare a report, on the plough presented to them This part, though diminutive, affords, nevertheless, has it any of the recuperative power of the Lawby General Lafayette in the name of Mr. If Cormick, a citizen of the state of Virginia.

We shall submit to the Society, not an essay but the progress of the implement, by preventing it maturity alone, which causes it to do well after late from turning to the left.

defer that until we have had an opportunity of comparing it, in that respect, with others.

The principles on which this ploughts constructed, are those of Arbuthnot, Jefferson and Small; beam,) and the handles are of wood instead of iron, the tribute of the fly ordinarily commences its injurious attacks, and therefore it is out of danger. It owes determined the handles are of wood instead of iron, the tribute of the fly ordinarily commences its injurious semblance to the Scotch plough of iron, called the before the fly ordinarily commences its injurious semblance to the Scotch plough of iron, called the before the fly ordinarily commences its injurious semblance to the Scotch plough of iron, called the before the fly ordinarily commences its injurious semblance to the Scotch plough of iron, called the before the fly ordinarily commences its injurious semblance to the Scotch plough of iron, called the before the fly ordinarily commences its injurious semblance to the Scotch plough of iron, called the before the fly ordinarily commences its injurious semblance to the Scotch plough of iron, called the before the fly ordinarily commences its injurious semblance to the Scotch plough of iron, called the before the fly ordinarily commences its injurious semblance to the Scotch plough of iron, called the before the fly ordinarily commences its injurious semblance to the Scotch plough of iron, called the before the fly ordinarily commences its injurious semblance to the Scotch plough of iron, called the before the fly ordinarily commences its injurious semblance to the Scotch plough of iron, called the before the fly ordinarily commences its injurious semblance to the Scotch plough of iron, called the before the fly ordinarily commences its injurious semblance to the Scotch plough of iron, called the before the fly ordinarily commences its injurious semblance to the Scotch plough of iron, called the before the fly ordinarily commences its injurious semblance to the fly ordinarily commences its injurious semblance to th and it will be sufficient to remark, that they are the that it is lighter; that the mould-board comes nearer plump and white grain, and is uniformly the heaupon the share, at the same time that it is not so viest wheat that we have grown. It scarcely ever long and less curved, and is connected with the averages less than sixty pounds to the bushel, and is nevertheless so solidly built as to induce us to share in a different manner; and finally, that it can has frequently been known to go to sixty-four and

The plough which I have had made in imitation usual weight. light and cultivated ground, it might be easily of it, was made by a blacksmith who had never bedrawn by a single horse of commor strength, and fore turned his hand to such work. His bill will on this wheat in comparison with other kinds; but

(Here the bill of particulars is inserted in the re-

If the share had not been wholly tempered, it would have cost less; and if the workman had been more accustomed to the business, he would have charged less: so that the plough ought not to have

From these details, which we have recited, we have come to the conclusion, that Mr. M'Cormick's

WHEAT.

Ma. SKINNER, Talbot county, July 17, 1826.

Further in relation to wheat:-Most of the dif ferent kinds of wheat, such as the Lawler, the keggy, and the New York white flint, have been supposed and reported to resist the ravages of the plough without wheels is used as well as the wheel ed, as experience has taught us that there is no wheat that resists the Hessian fly. Under circumstances favourable to the fly, it will destroy every branch of wheat in which it is deposited. Some kinds of wheat have a greater recuperative power than others; and of these the Lawler is most remarkable. After the fly has appeared to have destones that the plough meets in its progress.

The left side of the body of the plough, that is, aster. Lawler wheat should never be fed down. The space situated behind and to the left of the plough shallow or deep.

A trial of the plough can alone enable us to apto the plough can alone enable us to apto the plough can alone enable us to apto the fly.

The early or "rare ripe wheat," is not supposed. The early or "rare ripe wheat," is not supposed.

The Society has desired Mr. Hachette and me to any the speaking of the Society has desired Mr. Hachette and me to a speaking on the 17th of May, 1826, on a Plough into bar, 3 centimetres thick and 5 long, connects the lower left side of the share with the left handle; and is a easily destroyed by the fly in autumn, if the Society has desired Mr. Hachette and me to any quality of this kind. It has a soft straw, delicate for food, shorter than other straw, and is a easily destroyed by the fly in autumn, if the society has desired Mr. Hachette and me to any quality of this kind. It has a soft straw, delicate for food, shorter than other straw, and is a easily destroyed by the fly in autumn, if seeded can be scarcely any friction on that side.

The Society has desired Mr. Hachette and me to any quality of this kind. It has a soft straw, delicate for food, shorter than other straw, and is a easily destroyed by the fly in autumn, if seeded can be scarcely any friction on that side.

The society has desired Mr. Hachette and me to any quality of this kind. It has a soft straw, delicate for food, shorter than other straw, and is a easily destroyed by the fly in autumn, if seeded can be scarcely any friction on the straw and is a seasily destroyed by the fly in autumn, if seeded can be scarcely any friction on the straw and it is not supposed to have any quality of this kind. It has a soft straw, delicate for food, shorter than other straw, and is a seasily destroyed by the fly in autumn, if seeded can be scarcely any straw and it is not supposed to have any quality of this kind. It has a soft straw, delicate for food, shorter than other straw, and is a seasily destroyed by the fly in autumn, if seeded can be scarcely any straw and it is not supposed to have any quality of this kind. It has a soft straw any quality of this kind. It has a soft straw any quality of the straw om turning to the left.

The plough in question has a strong general refly, and to be so forward in spring as to be jointed five; sixty-one and two pounds per bushel is its

I do not remember what estimate the millers set would serve to go between the rows in drill crops, convince us, that in an economical point of view, this we all know, that millers are a little astute as which is now often done with the Scotch iron-plough.

Mr. M'Cormick's plough is as good as any others well as capricious. It is an absurdity for farmers without wheels. kinds of wheat: then he will be enabled to form in exertion. some judgment as to the wheat that will produce in his own lands the greatest number of pounds weight to the acre; and that is the mode to draw the greatest number of dollars to his pocket-which J. S. SKINNER, is, after all, the "valde optatum."

Nothing can be more ridiculous than to see farmers every where buying up nice white wheat for luable information, and many hints that I have turn-fits, \$22.90 to the acre. Nett profits in three years, seed, without ascertaining whether their lands will ed to my own advantage. I feel, therefore, bound, \$71.30. I have this year raised corn on land ad grow it or not; supposing, I presume, that the pro- in my turn, to contribute what I think may be of joining, and of a similar soil and sod, (the soil is duce must of course be as white as the seed. They advantage to others. My barn, for a number of what farmers call a sandy loam,) managed in the spend their money in buying this seed at extravagant prices, and are mortified to find that the product is greatly inferior; in which case they some-times accuse the seller of the seed wheat of not doing them justice, and desperately try somewhere else another expensive purchase, until they pay very dear for the knowledge, that their lands will inundate the lower part of the building—and this I crop grew well, and was the best I have ever raised not produce the fine white wheat, and that there repeated two or three times, as opportunity offered on any ground. It fell down and I pulled it while not produce the fine which and that are other kinds of wheat much better adapted to before spring; and now I am as free from them as in blossom; after which I ploughed the ground once, them, that they will produce more certainly and if there never had been one in the place. them, that they will produce more certainly and if there never had been one in the place. more abundantly.

fine white wheat lands,

O fortunatos nimium! soliginis arva colintes-

if they only grow from ten to fifteen bushels to the aere, are annually celebrated as the very nobility of ngriculturists, (I use the term in no unkind sense,) cents a bushel more than the growers of red or brown wheat get for theirs. This is a stimulating excitement-and it ought to excite, not to error, but to exertion. A vast proportion of that land that will not grow the white wheat, will grow the heaviest crops of other wheat; and their proprietors To Jesse Buel, Esq. ought to yield up the hope of the white coloured able; to improve their lands so as to produce such an simple, would be considered valuable." average per acre as will entitle them to a place in supply the deficiency.

quiring for the seed of the bright tobacco to plant prominent, and that deserving the greatest attenders of the seed of the bright tobacco to plant prominent, and that deserving the greatest attenders of the seed of the bright tobacco to plant prominent, and that deserving the greatest attenders of the seed of the bright tobacco to plant prominent, and that deserving the greatest attenders of the seed of the bright tobacco to plant prominent, and that deserving the greatest attenders of the seed of the bright tobacco to plant prominent, and that deserving the greatest attenders of the seed of the bright tobacco to plant prominent, and that deserving the greatest attenders of the seed of the bright tobacco to plant prominent, and that deserving the greatest attenders of the seed of the bright tobacco to plant prominent, and that deserving the greatest attenders of the seed of the bright tobacco to plant prominent, and that deserving the greatest attenders of the seed of the bright tobacco to plant prominent, and that deserving the greatest attenders of the seed of the bright tobacco to plant prominent, and that deserving the greatest attenders of the seed of the bright tobacco to plant prominent, and that deserving the greatest attenders of the seed of the bright tobacco to plant prominent, and that deserving the greatest attenders of the greatest attenders of the seed of the bright tobacco to plant prominent, and that deserving the greatest attenders of the greatest attenders first year, it will deteriorate so as to be totally unsystem, confirms my belief, that all spring crops, like the plant from which it spring. But what a such as oats, peas, barley and potatoes, may be great difference there is between the trouble and raised on green sward, well ploughed, either in the other mark contain any oils; but this kind, it is than enough for any man's use, except for those than on stubble land; that the expense of tending a most extensively engaged in planting. This half pint can be procured, I suppose, for a dollar, if there is a the most extensively engaged in planting. This half pint can be procured, I suppose, for a dollar, if there is a the managed, would be less than the expense of sum of the soil a power of attracting this sure in presenting a friend with that quantity out not be exhausted as much in growing most of the and it prepares the vegetable food for entering their of their own stock; but the frequent purchases of above crops, with the sod under, unmolested and roots.

wheat they shall grow. Millers will always crack seed wheat are very troublesome and very onerous, unexposed, while rotting, as it would be in receivwheat they shall grow. It was a shall grow. We must submit to see these two orders of agriup that sort of wheat on which they think they can
was submit to see these two orders of agriing two or three ploughings, while in a partial
make the greatest gain, either by the fact of the
cultural knighthood, the one decked with the plant
state of decomposition, in the heat of summer, exmake the greatest gain, either by the fact of the cultural knighthood, the one decked with the plant state of decomposition, in the heat of summer, exsmaller offal, or by the fiction which they may have of the golden leaf tobacco, the other with the full-posed to the influence of the sun, rains and winds. it in their power to create in relation to any thing eared sheaf of white wheat, without repining at The first experiment I made of this kind was a else. But the farmer should understand his soil, his their good fortune; and if their fame kindles the crop of corn, on a stiff sward of spear grass, ploughelimate, the ordinary accidents to which different fire of ambition in our hearts, let us endeavour to ed in the fall, and well harrowed in the spring, wheat is liable, and the character of the different rival them in taste, in judgment, in industry, and without rolling. My crop was 72 bushels to the AGRICULTOR.

TO DESTROY WEEVIL.

Salisbury, July 15, 1826.

years, has been infested with weevil, and I have tried every way that I thought would be likely to (wet weather prevented:) crop, 100 bushels to the

I was induced to make the experiment from the and promise a good crop. There is another consideration too, sir, that may following eircumstance. Two years ago I purchasnot be without its influence. We never see hung ed a farm, a short distance from me; here, for want up in that excellent and highly useful gallery of of a little care and attention, the water was allowed agricultural portraits, the "American Farmer," the a free passage through the barn and stables whenname of a farmer for his growing many pounds of ever it rained; and this is supposed to be the only wheat to the acre, until he gets up to some thirty or one in the neighbourhood that has been completely forty bushels; whilst those farmers who own the free from this destructive little insect-and I knew of no other cause for it, except that they must (if there had been any,) have been destroyed by the which otherwise would not have been obtained. I am, respectfully, yours, THO'S G. HENDERSON.

State of New York.)

ON THE ADVANTAGES OF FALLOW-CROPS OVER SUMMER-FALLOWS.

By James Spenny, of Monroe.

Sir,-In answer to your circular, I would obgrain, (pardon the inaccuracy of the phrase,) for serve, that I should not have presumed to furnish various; white, black, blue, red, and its hardness is the more solid advantage of weight and quantity. matter for a volume of the Memoirs of the Board, as various as its colnur; being sometimes soft and

I have carefully watched the progress of improvethe gallery of agricultural worthies. They cannot ment in agriculture, in order to derive benefit from shells which always appear in it; but the similarity liope for fame in violation of the laws of nature. If any system of cultivation, new and useful, which betweet earth-marl and many other fossil substanlands are not natively of the peculiar texture of might be proposed. Although many improvements ces renders it difficult to distinguish them. soil to grow the white wheat, no human art can in the business of husbandry have been suggested, which would no doubt be of advantage to the farm-If it should be esked, if it is not equally strange ing interest, were they reduced to practice, yet I the stil, is commonly classed among the animal that men on stiff soils and flat lands, should be in-shall speak of but one, which I consider the most manuals. The Rev. Mr. Dickson states, "that it this reason, founded upon this fact, that tobacco millions. I mean the introduction of fallow-crops, Home says, that it takes six times more of acids to will retain more of its quality for one year than any and the abandonment of summer-fallows altogether, saturate it than any of the other marls which he other plant in an uncongenial soil: but, after the on green sward. The experience I have had in the had met will. But the greatest difference betwixt expense of procuring seed wheat and tobacco seed fall or spring, and rolled with a heavy roller, with said, contains them in great plenty. every year. A half pint of tobacco seed is more less expense in labour, and double the nett profit, were not a thousand planters who would take plea- mer-fallowing; and that good or poor land would food from the air, it enlarges the pasture of plants;

acre, worth 50 cents per bushel. Nett profits, \$25 30 cts. per acre. The ground was well ploughed once next spring, and sowed to peas: crop, 32 bushels per acre, worth \$1 per bushel-Nett profits, \$25 10 cts. The peas were harvested early in Septem-Sir,-During the time I have been a subscriber ber, and the ground well ploughed once, and sowed to your journal, I have received from it much va- to wheat: crop, \$1 bushels to the acre-Nett protime of a thaw and heavy rain, so as completely to to flax, and harrowed it in well on the sod. The

Henrietta, Monroe Ca., Oct. 18, 1824.

(From Brown's Treatise on Agriculture and Rural Affairs.)

ON MARL.

Marl, like lime, may be viewed as a stimulant, forcing the soil to produce crops of corn and grass, dampness of the situation they had for winter quar-dampness of the situation they had for winter quar-ters. I am, respectfully, yours, Groat Britain; and, if we give credit to Pliny, this article was used prior to the Roman invasion. Several kinds are enumerated by the ancient Latin and are mentioned by name as getting eight or ten (From the Memoirs of the Board of Agriculture of the writers, and all of them declare that the soil was greatly enriched by the application of marl.

In many parts of this island the value of land has been much augmented by the application of marl. Treating of this article in a practical way, it may be divided into shell-mart and earth-marl. Shell-marl is composed of animal shells dissolved; earth-marl is a fossil. The colour of the latter is Let these farmers be content to seek what is attain- had it not been asserted, that "any facts, however ductile like clay, sometimes hard and solid like stone, and sometimes extended into thin beds, like slate. Shell-marl is easily distinguished by the

> Shell-marl is very different in its nature from clayer and stone-marls, and, from its effects upon

> This mar, it would seem, from the qualities

and vegetable substances that are found in it. The vary according to circumstances; but, when the quantity is any way large, and in a reduced or at tenuated state, the quality is so much the more valuable. On that account, the quantity which ought to be applied to the soil must be regulated entirely by the extent of calcareous matter supposed, or found, upon trial, to be contained in the article, which, as already said, is very variable.

The clavey and stone marls are distinguished by their colours, viz: white, black, blue, and red. The white, being of a soft crumbly nature, is considered to be the best for pasture land; and the blue, which is more compact and firm, for corn land. In the districts where marl is much used, these distinctions of management are attended to, though either

the following rules are adhered to.

If marl is of the blue kind, or of any kind that is compact and firm, lay it upon the land early in the season, so as the weather may mellow it down before the last plough; and, if on pasture land, let it be also early laid on, and spread very thin, breaking any lumps afterwards which are not completely separated by the first spreading. If marl is of the white, or any of the loose or crumbling sorts, it need not be laid on so early, because these varieties break and dissolve almost as soon as ex-

posed to the weather.

There are many kinds of impure and mixed marls, such as sandy, clayey, loamy, and stony marls, according as these varieties of soil are incorthe first instance, nor the after consequences so mischievous. In numerous instances, land has been The seeds may be sown at the distance. mischievous. In numerous instances, land has been reduced so much as to be thought little better than eight inches. He is convinced there is no difference useless, by the effects of lime and marl. Both, in the quality of the produce, whatever variety or however, are excellent agents in forwarding agri-culture, though often their agency has been misapeffect must necessarily be produced.

the next Farmer.]

PROSPECT OF CROPS.

EXTRACTS TO THE EDITOR-DATED

Retreat, St Simon's Island, Geo., July 8, 1825.

Owing to the late excessive drought which comback very much; but the rain which commenced two kinds.

the crevices and level parts of the sea coasts, is great quantities for three weeks, has in a great fully avoided penetrating the eavity of the head.—another substance capable of being employed both measure restored it, (and would have done much Every head made from 15 to 40 grains of opium; as a manure and stignulant; not only on account of its containing calcareous matter in greater or less proportions, but also from the mixture of animal bours sent me to-day a pod of cotton of this year's six yards by ten, produced more than half a pound and vegetable substances that are found in it. The purtion of calcareous matter which it contains must has seen several in the field to-day fit to pick. We eight or ten inches apart, in drills, and about threeshall probably commence picking about the 1st of quarters of an inch deep; the drills were two feet August. I have got corn fit to grind; it was plant- apart. He thinks it necessary to sow the seeds in ed the 20th of February.

Salisbury, Pa., July 22, 1826.

Our harvest has been well secured, and has proved a good crop; though not so heavy as the one last season, yet more difficult to cut, being much straw broken. The rye crop was not so good nor so extensive as in former years, and appears not to be so well filled; heads quite short, which I think was caused by the drought at the time of heading and filling. The present crop of corn presents a luxuriant appearance. There is a very large crop out of the kinds may be employed with advantage if in this county, and at this season I think there could not be a much better prospect of a heavy crop. Oats will turn out a very good crop, though during the drought it was feared we would have none; the late rains have improved them rapidly. Hayscarcely half a crop was made in this section of Yours, &c. E. B. the county.

HORTICULTURE.

ON AMERICAN OPIUM.

The following is an abstract of the various attempts at making Opium, in the United States.]

DR. S. RICKETSON, formerly of Duchess county; New York, but now of the city of New York, culti-the southern states. Opium might form one of porated or mixed with the principal substance, vated the poppy in the year 1788, and found that the articles that must be substituted for cotton, now These sorts, of course, are inferior to the pure the opium produced from it was quite as powerful that it is found much more of it is raised in the marks; but the stony kind is considered to be the as that imported. His paper first appeared in the world than is required. But it is not likely that the best, because its officacy is more lasting, though the "American Magazine," published at New York, in fat and crumbling kinds enrich or operate more 1788; and was reprinted in the Medical Reposito-certain, if not great. Every physician in the United speedily. The hard marls, however, in every case, ry, vol. 1, p. 420. In the 3d vol. of the same work, operate for the greatest length of time, and are often p. 206, Dr. R. published additional experiments on opium he used, by assing the poppy: an employ-followed with bad consequences to the soil, unless the same subject. Those varieties of the poppy ment that would not only prove amusing, but highgood management, with regard to cropping, is ex-should be chosen, having numerous heads and strong ly profitable to him. being long excessively fruitful and productive, the soil will gradually become so sterile and barren as others he had seen; he tried the Asiatic mode of one grain of opium; more than 50 pounds will be scarcely to be worth cultivating; in which case, the tapping the heads, and found that they yielded most collected from one statute acre: but one poppy progreatest exertion can hardly procure a return of plentifully from 8 to 12 days after the flowers had duces from three to ten heads, and in each head lertility. In this respect, the effect of over-crop-fallen: he however obtained the largest quantity of from six to ten incisions are made; from each of ping land that has been marled, is precisely the juice by cutting off the stalks, when the sun shines, which he took two or three grains; -what then, he same as takes place with lime. An uncommon ex-ertion is made, occasioning a proportionate debili-as soon as the juice appeared, by collecting it with popies, gave more than twice the quantity produced ty, though, were good husbandry studiously prac- a small scoop or penknife. After the juice ceased by the single. tised, the exertion would neither be so excessive in to flow, he cut it about an inch lower, and thus pro-

Dr. Anthony, of Petersburgh, Georgia, in the plied, and used for mischievous purposes. Under month of January, 1810, sowed seeds of the true a correct rotation of cropping, and with a suitable white or opium poppy, which came up in due time, supply of dung, neither lime nor marl is injurious. The second day after the petals had fallen, he di Reverse these circumstances, and the contrary vided the exterior coat of the head in four places, at equal distances from each other: more invisions. [Orfila's Analysis of Marls, will be inserted in he thinks, would tend to wound and destroy the head unnecessarily. 'The incisions were made at ten o'clock in the morning, and at twelve he collected the opium that hung therefrom, in tears from one inch to an inch and a half in length. Another bleeding, in the afternoon of the same day, yielded

*The careful country practitioner, who may raise menced here in February, the cotion crop was kept opium in the above ways, should try the effects of the

The shelly sand, often found deposited in beds in about the 25th of May, and continued to fall in as much as was obtained in the morning He curemoist ground. Many of the full blown flowers measured from seven and a half to eight inches in width: the heads measured from two and a half, to three and a half inches diameter.*

Dr Spalding, of Portsmouth, N. H. has also made opium from the white poppy; samples of which he presented to the Medical Society of the Eastern District of New Hampshire: he procured it by incisions in the heads, after the capsules were fully

formed.t

The seeds should be sown in good ground, as early as the season, in the different parts of the continent, will admit; the plants must be properly watered, and kept clear of weeds. Transplanting does not succeed.

The poppy plant has been cultivated extensively by Mr. Ball and Mr. Jones, in England; both of whom have received premiums from the society for the encouragement of arts, agriculture, &c. opium produced by them, was found by the London physicians, whose certificates are given, to be fully equal to the imported drug. For the statements of Mr. Ball and Mr. Jones, see Transactions Society Arts, vol. 18, and Medical Repository, vol. 1, p 424; see also Domestic Encyclopedia, article poppy.

The cultivation of the poppy plant, for the purpose of making opium, is particularly adapted to

[Archives of Useful Knowledge.

(From the New England Farmer.) CULTURE OF CABBAGES.

Westborough, March 30, 1826.

There has long been a complaint among farmers, of their cabbages stump footing, as it is called; that is, the roots as they grow, forming themselves into bulbs or small bunches, and as these increase in size, the top will decrease. Many preventives have been mentioned as effectual, such as hoeing eften, and when the dew is on, using certain kinds of manure, &c. All these I have tried without success. The cause of the stump foot is in the soil. Few pieces of land, I believe, that have been for several successive years under the plough, will produce a good crop of cabbages, though there may be exceptions. My method of raising them, which I have practised several years with complete success, is the

^{*} Philadel Medical Museum, Hexade, 2d, vol. 1, p. 142. t Medical Repository, Hexade 3d, vol. 1, p. 193.

sward, of good soil and free from stones, and turn amount carried to Wheeling and other towns on richest ore, and the finest coal in the world, which it over with the plough as flat as possible; then spread on a large quantity of good manure, if it has at dry seasons, must have exceeded this amount; for want of the means of transportation, and which been previously mixed with leached ashes the better, then harrow greatly, and early in June, if for
winter cabbage, cut holes through the turf with a
farmers and others, would probably nearly equal hoe, as near together as the cabbages ought to grow; the transportation westward; and should it amount alabour, stimulating industry, increasing general fill the holes with the fine carth and manure, and to only half, still it would appear that the country wealth, supplying our country with means alike then set the plants or put in a small number of sustains a tax for transportation of four or five milseeds; I prefer the latter however, since it saves the lions a year; whereas, if this merchandize and pro- now dependent on foreign countries, and annually labour of setting, and is much surer of success if it duce were water-borne on canals, the cost would happens to be a time of drought. They will need be reduced to less than half a million. The difference in cost being estimated as 10 to 1, though manufacturing and agricultural, to the neglect and weeds. In this way I have raised cabbages of the largest size in a green sward potatoc field, without construction of the canal (as in New York,) would utmost profusion at home buried and dormant in more boeing than was necessary for the potatoes.

LOVETT PETERS.

INTERNAL IMPROVEMENT.

CHESAPEAKE AND OHIO CANAL.

Conclusion of Mr. Stewart's Report on the Chesa-

some of the most prominent advantages which the accomplishment of the Chesapeake and Ohio Ca-

of its construction; and

to procure surveys, &c.; and the able Board of Engineers, who have given the subject a full and careful examination during the last summer, have pronounced it perfectly practicable, at an expense small, compared with the magnitude and importance of the object. This work, whether regarded was manufactured in that year, in a few of the was manufactured in that year, in a few of the was manufactured in that year, in a few of the discovery of thousand miles, depending for its defence at all in a military, commercial, or political point of view, western counties of Pennsylvania, 371,436 barrels times not upon standing armies, but upon the military important. Passing through the centre of flour, and 38,722 of whiskey, making together of the Republic, from one extreme to the other, 410,158 barrels—amounting to 62,261 tons; which, opening an internal communication of more than transported on the canal, at 2 cents per ton per means of attack or defence will always be found in 2500 miles, affording at once a powerful bond of the Union, with every commercial facility in time of transported in wagons to Atlantic markets, at that Union, with every commercial facility in time of peace; and in war, the most effectual means of national defence. Besides, its immediate connection with the seat of the national government; its central position; the great extent of inland navigation which Union, and furnishing a vent for the produce of several others. The shortness of the canal by this several others. The shortness of the canal by this repute connecting the Atlantic tides with the steam counties in the western part of Pennselvanish. route, connecting the Atlantic tides with the steam boat navigation of the west at Pittsburg, being less than 350, and to Lake Eric, less than 450 miles.

The shortness of the canal by this and whiskey alone, maintactured in 15 to, in a rew less by which the whole force of the country can be at once concentrated and precipitated upon it, than 350, and to Lake Eric, less than 450 miles.

What then would be the saving on the infinite value of the whole force of the country can be at once concentrated and precipitated upon it, then 350, and to Lake Eric, less than 450 miles.

more than double the quantity of trade and com- the bowels of the earth, and required nothing but merce: thus the whole cost of the canal would be the plastic and vivifying influence of these facilities saved to the country in a few years, yielding, at of transportation to spring at once into useful and the same time, on the stock invested, a profit of 6 prosperous artivity, yielding not only an abundant or 8 per cent. to the government, more than the domestic supply, but a surplus for exportation. amount of interest accruing on the national debt, such that the national creditors are anxious should not water power, and manufactures.—These are objects onclusion of Mr. Stewart's Report on the Chesapeake and Ohio Canal, made in Congress, on the
19th May, 1826.

The Committee now beg leave briefly to present

of the money paid by them into the treasury, to inducements offered throughout the whole extent of this canal, for the building up of villages and towns, and manufactures, and these profits and advantages, and erecting an almost infinite variety of mills, furof course increasing with the increasing growth and maces, forges, and other water works, thus creating,

nal promises to the United States, and which, in not so much in the saving in the cost of transportably before was a howling wilderness and desert. their judgment, will amply compensate for the cost tion, as in the powerful stimulus it would afford to This is no picture of fancy, but matter of fact, to of its construction; and

1st. Its advantages in a political point of view.—
For their views on this branch of the subject, the committee will merely refer to the arguments and views of General Washington already quoted, and labours for want of facilities of transportation to the Ohio Canal, especially when they consider its deto the following extract from the Report of the proper markets, are indescribable. Immense districts cided superiority over that of New York, in the Committee of Roads and Canals at the last session of the finest land in the world lay waste and unculimmense inland navigation which it connects and of Congress, in which they fully concur when retivated, because the produce will not bear transopens, touching in its extent from the Chesapeake Committee say—"This object, regarded as the most important and national, was the first to claim the attention of the Executive in carrying into

following. In the spring take a piece of green one and a half million of dollars, and that the located, abounds with inexhaustible mines of the

be paid, and also returning to the people a portion not unworthy of consideration. The facility and population of the country.

3d. Its Advantages to Agriculture.—These consist rying commerce, and prosperous trade, where shorteffect the provisions of the law of the last session, one portion of our country, lies neglected and use-to procure surveys, &c.; and the able Board of En-less in another.

"These considerations, together with the general products, not only of the western parts of Pennsyl- ing to illustrate the advantages of roads and canals and diffusive nature of the benefits to result from this work, offering great advantages to all the Indiana, and, in short, all the interior and western waste of blood and the waste of treasure during the States, yet peculiar to none; as well as the magnitude of the undertaking, point it out as a work peculiarly national in its character, and cannot fail to secure for it the prompt and efficient aid of the dise, transported on the canal, for consumption in thousand dollars for the transportation of a single general government."

2d. Its Commercial Advantages.—Some idea of the commercial advantages of this work may be formed when the fact is stated that the transportation of a single piece of cannon, which on account of the delay were useless, the enemy having accomplished his objects before they had arrived at the places where formed, when the fact is stated, that the transportation of merchandise for the supply of the western states to Pittsburg, in one year, has amounted to through which the Chesapeake and Ohio Canal is branch of the subject, than by adopting the lansident of the United States, who, in his very able of the national government, from which they generreport to Congress in 1819, on the importance of ally form their ideas of the whole country, instead diciously expended, at the commencement of the roads and canals, in a military point of view, says:

structed for the convenience of commerce, and the ty, with all the embellishments, fascinations and ad- the time the national debt is extinguished, in 1833; transportation of the mail only, without any reference to military operations, is, itself, among the great nation. Besides, if mercenary motives could most efficient means for the more complete defence be permitted to influence on a subject of such naof the United States.' Without adverting to the tional moment, even these would find ample gratifact, that the roads and canals, which such a sys-fication in the greatly enhanced value which it tem would require, are, with few exceptions, pre- would give the public property belonging to the manufacturing industry, and at the same time, equalcisely those which would be required for the opera. United States, in this city, consisting of upwards of izing in some degree, at least, the expenditure of tions of war; such a system, by consolidating our 5000 building lots, with a large quantity of other the public money: for it is a fact, worthy of grave would add greatly to our resources in war. It is in 1820, at \$7,345,692, as well as in the diminished that of the twenty odd millions which are collected a state of war, when a nation is compelled to put all expense of living, produced by opening an easy its resources in men, money, skill, and devotion to communication with the finest markets in the world, there is not expended by the government, in the country, into requisition, that its government reali- and to the most abundant mines of the first rate whole of the interior and western states, as much anzes, in its security, the beneficial effects from a peo- coal-placing this city, for all the purposes of trade nually as has been expended on the sea coast, in the ple made prosperous and happy by a wise direction and intercourse, within a distance of Pittsburg not of its resources in peace. But I forbear to pursue more than equal to 45 miles of transportation by this subject, though so interesting, and which, the land. farther it is pursued, will the more clearly establish safety of the country and its improvement and pros- better calculated to induce and facilitate the sale means of the country, to which they contribute their immediate object of this report.

military roads and canals is more indispensable than of the soil: for, without the means of arriving at a a country so extensive as ours, tends more to the to the United States. As great as our military ca- market, there can exist no motive, to stimulate in- rapid dissemination and diffusion of knowledge and pacity is, when compared with the number of our dustry or exertion. To shew the effects of roads intelligence, among the people at large than good people, yet, when considered in relation to the vast and canals on the public lands, of which the United roads and canals. They bring distant parts of the extent of our country, it is very small; and if so States own more than five hundred millions of acres country more nearly together; promote trade and great an extent of territory renders it very difficult undisposed in the west, the committee beg leave to intercourse, and create friendly and social relations to conquer us, as has frequently been observed, it introduce the following extract of a letter from the among those, who, otherwise, would have, perhaps, ought not be forgotten, that it renders it no less celebrated and lamented Robert Fulton to Mr. Gal- remained not only strangers, but estranged from difficult for the government to afford protection to latin, in 1808, on this branch of the subject:

every portion of the community."

ther we regard its internal improvements in relathe expense of their construction."

7th. Its advantages to the seat of Government.

The effect of constructing the Chesapeake and for such an undertaking." Ohio canal could not fail to raise the city of Washington to the first rank among the commercial cities committee have already referred to the exhausting of the Union. With all the facilities for importa- and injurious effects of annually withdrawing from its cost, at the low rate of one cent per ton per mile, tion, it would stand several hundred miles in advance of the Atlantic cities, in reference to the commerce and trade of the interior and the west Such the national debt, as proposed by the committee of and auctions, will give a surplus of \$577,000 a year, a great and obvious advantage could not fail to at- Ways and Means; and have suggested the proprie to discharge the principal, after paying the interest

ads and canals, in a military point of view, says: of finding a dull and dispersed town, presenting no-"A judicious system of roads and canals, con- thing to gratify or amuse, would find a splendid civantages, which ought to belong to the capital of a and the annual surplus, applicable to these objects, great nation. Besides, if mercenary motives could be permitted to influence on a subject of such naing in the mean time, a portion of the money, Union, increasing our wealth and fiscal capacity, grounds, houses and public property, estimated in consideration, and susceptible of the clearest proof.

the intimate connexion between the defence and Lands in the West .- It is believed that nothing is perity, as I do not conceive that it constitutes the and settlement of the public lands, than opening to full proportion. them those facilities of communication by which "There is no country to which a good system of they can convey to the best markets the products of knowledge and intelligence.—Nothing, perhaps, in

"In all cases, he says, where canals shall pass And after presenting a general system of roads through the lands of the United States, and open a tary purposes only, the list would have been small United States, in 1806, averaged about two dollars other uses, which in the event of war, would be ne- 20 miles of canal, each year, running through natation, have more than indemnified the country for funds to construct canals to its centre, he certainly would do it for his own interest. The nation has the property, and the nation possesses ample funds

9th. Its advantage in reference to currency.—The

guage of the late Secretary of War, now Vice Pre- of their funds-and the foreigners who visit the seat millions of dollars to Internal Improvements; which would be as much as could be economically and juand give skill and experience to our engineers, by (drawn from the people by taxation,) to sustain and carry on the several branches of agricultural and fication! This consideration, in the judgment of 8th. Its advantages to the sale and value of Public the committee, strengthens the claims of the interior and the west, to a participation in the common

10th. Its advantages in reference to the diffusion each other, by a diversity of feelings, views and in-

terests.

11th. Its advantages as relates to revenue, profits, and canals, including the Chesapeake and Ohio cheap communication to a good market, such lands &c.—On this branch of the subject, looking to the canal, now under consideration, he concludes by wifl rise in value for twenty miles on each side of extent of navigation opened by this canal, connectsaying:

"Many of the roads and canals which have been miles from the canal, can, in one day, carry a load western states, passing through the heart and centhe canal. The farmer who will reside twenty ing by the nearest possible route, all the eastern and suggested, are, no doubt, of the first importance to of produce to its borders; and were the lands 600 tre of the country, traversing parts the most fertile the commerce, the manufacture, the agriculture, miles from one of our sea-port towns, his barrel of and populous, and abounding with inexhaustible and political prosperity of the country, but are not flour, in weight 200 lbs. could be carried that dis-for that reason, less useful or necessary for military tance for 60 cents, the price which is now paid to purposes. It is, in fact, one of the great advantages carry a barrel 50 miles on the Lancaster Turnpike. that this cannot fail to be one of the most profitable of our country, enjoying so many others, that, whe- Consequently, as relates to cheapness of carriage, and productive canals, that has been, or can be conand easy access to market, the new lands, which structed in the United States; constituting, as it tion to military, civil or political purposes, very lie 500 miles from the sea ports, would be equal must, the great artery of communication, and renearly the same system in all its parts, is required. In value with lands of equal fertility, which are 50 Civing the joint contributions of the Chesapeake, The road or canal can scarcely be designated, which miles from the sea ports. But not to insist on their Chesapeake, only useful for military operations, which is not being of so great a value until population is as great, has a decided advantage over the canals constructequally required for the industry or political pros- it is evident that they must rise in value in a three or ing along the Atlantic sea-board, in this, that the perity of the community. If those roads or canals four fold degree every lineal mile of canal would had been pointed out which are necessary for mili accommodate 25,600 acres. The lands sold by the (to which the United States have liberally contributed,) are mere improvements of an existing naviindeed. I have therefore presented all, without re- an acre, and certainly every acre accommodated gation, along the coast; but this canal, penetrating garding the fact, that they might be employed for with a canal, would produce 6 dollars. Thus, only the interior and western portions of our country, is not an improvement, merely, but it is the creation of cessary to give economy, certainty and success to tional lands, raise the value of 512,000 acres at a navigation, where none before existed, and which, our military operations; and which, if they had been least four dollars an acre, giving 2,048,000 dollars of necessity, must, and will be used by all; and this completed before the late war, would, by their saving in that single contest, in men, money and repuin reference to climate, position, and distance, has been already demonstrated.

The tolls on the New York canal, during the year 1824, amounted to \$340,761 07; in 1825, to \$566,221 51; and for 1826, they are estimated at \$750,000 00, exceeding 8 per cent. per annum, on active and profitable circulation, fifteen million of on all agricultural and country produce, and three dollars a year, and applying it to the discharge of cents for merchandise, which, with the duty on salt tract the merchants and capitalists of the country, ty of confining the payment of the national debt to on the debt, and all the expenses of repairs, collections, &c. amounting to \$550,000. The number of every occasion that promises a profitable investure sting sinking fund, and applying the surplus five boats and rafts which passed on the canal from 9th April to 12th December last, was 13,100, carrying 219.074 tons; 185,405 bound to, and 33,669 from, the city of New York; amounting to 42 boats per day, and the number of passengers exceeding 40,000.

But the Chesapeake and Ohio Canal is, in every point of view, more important than that of New York. It not only furnishes a connexion between the Atlantic and steam boat navigation of the Obio. at much less than half the distance of the New York canal, but, commencing at the seat of the National Government, it opens a direct internal navigation of near 2,500 miles, through the centre of the union; while the New York canal passes through ON CLEARING FEATHERS FROM THEIR but a single state, and terminates on our northern frontier. And, besides, the Chesapeake and Ohio Canal has also the advantage of the coal trade of Cumberland, and the timber and iron mines of the (From the Transactions of the Society for the Encoumountain, which nature has denied to New York, and being four degrees farther south, will remain, at least two months in the year longer unobstructed of quick-lime; mix them well together; and, when by ice. But, should the results only equal those of the undissolved lime is precipitated in fine powder, New York, the committee think the Government ought immediately to commence, and vigorously prosecute it to its final completion, and might add, in the language of General Washington, who, more than forty years ago, when urging Congress to engage in this great work, said, "our interest is so much in unison with this measure, that nothing short of that ill timed and misapplied parsinony, and contracted way of thinking, which intermingle so much in our public councils, can counteract it." Will not those should be separated from the feathers, by laying as a rule, as some of the most distinguished horses as a rule, as some of the most distinguished horses. this emphatic denunciation of the Father of his Country?-who, were it permitted to him to descend, and mingle in our present deliberations, might repeat it to us with much greater propriety, and bage nets.

The feathers must, from time to time, be shaken

As the final report and estimates of the Board of Internal Improvement will not be completed before the close of the present session, and as it would not in the judgment of the committee, be advisable to legislate on the subject until that report is communicated, they therefore submit the following resolu-

Resolved, That the committee be discharged from the further consideration of the subject, and that it be referred to the early and favourable consideration of the next session of Congress.

LADIES' DEPARTMENT.



AN EFFECTUAL AND EASY MODE OF DESTROYING FLIES.

To enter into any argument, or advance any facts, to prove the destructive effects of flies in shops and dwelling-houses, is quite unnecessary; and it is equally well known that liquid compositions are generally used to destroy them, which renders their dying effects still more destructive to goods and furniture

The following plan will not unly be free from the above objection, but is of such a simple nature that any one may readily adopt it. It consists simply of a small tumbler glass, as shown by the annexed figure: to this glass is attached a writing paper cap inch,) which is a weak solution of arsenic and honey, mares together of the same family. or what is generally sold as fly-water by chemists.

The entrapping principle of this little apparatus that unerring guide, experience, has established, depends on the following circumstances:—The flies and the exceptions to the rule which those facts pass through the fonnel in order to arrive at the liquid; and, not having the power to recollect the way they entered into the glass, they remain pri soners and quickly die, from the effects of this poisoning liquid, which they readily drink.

After a few prisoners have passed through the funnel, they induce others to enter into the glass more freely, and facilitate the work of destruction.

[Liverpool Mercury

ANIMAL OIL.

BY MRS. JANE RICHARDSON.

ragement of Arts, Manufactures and Commerce.)

Take, for every gallon of clean water, one pound pour off the clear lime-water for use, at the time it is wanted. Put the feathers to be cleaned into therein.

through the meshes; and are to be collected, in order to be beaten, as usual, for use.

The admission of air will be serviceable in the drying; and the whole process will be completed in

about three weeks

To test the value of the foregoing process, seveardson, all of which were returned perfectly cleansed from their animal oil; one parcel had been stoved for three days, but still retained their unpleasant smell, which was completely removed by the limewater.

After the feathers have been cleansed and dried, they are put into a strong bag, like a bed-tick, which is laid upon a stage, and beaten with long poles, like broom handles, until the feathers are perfectly light and lively. [Franklin Journal.

SPORTING OLIO.



(From the Petersburg Intelligencer.)

ANNALS OF THE TURF-No. VII. Respectfully inscribed to the Amateur, the Sportsman and the Breeder of the Virginia Turf Horse.

HORSE.

All that we can do is to disclose the facts which at this very time making the experiment of breed-

and the exceptions to the rule which those facts have pointed out to us. Crossing, or intermixing the blood of different racing breeds, has ever prevailed upon the turf, and experience has proven it to be a rational practice, when adopted with the view of an interchange of the requisite qualifications, external or internal; such as the union of speed and bottom, sleuderness and substance, short and long shapes.

Experience tells us that the greatest success has ever attended those breeders, and that the most valuable stock has resulted therefrom, who have adhered to remote crosses. The finest running and highest formed horses that have appeared in England, were bred from the union of two distinct stocks, the Herod and Eclipse. The former stock was invariably remarkable for stoutness and lastingness, the latter for speed; and by the union of these opposite qualities (whereby a remote cross was kept up,) a stock was obtained in which was blended a sufficiency of the requisite qualities of both to make first rate running horses. There was another tub; and add to them a quantity of the clear another distinct stock in England, which crossed lime water, sufficient to cover the feathers about well upon the Herod and Eclipse branches; I allude three inches, when well immersed and stirred about to the Matchem or Godolphin Arabian stock; and it may be here remarked, that there has not been in The feathers, when thoroughly moistened, will England a first rate runner on the turf for the last The feathers should be afterwards well washed in in England were bred considerably in and in-Flyclean water, and dried upon nets; the meshes of ing Chirders, for instance, considered the fleetest which should be about the fineness of those of cab-horse in the world tild Fox, also a celebrated racer and valuable stallion, had an affinity of blood in his pedigree, as well as other high formed racers upon the nets: and, as they dry, they will fall and stallions. But these exceptions arose in Great Britain in her early days of breeding, when that country was enriched by the importation of particular Barb. Turk and Arabian horses that had peculiar and extraordinary properties as stock getters, as their immediate descendants constituted the best racers of those days, and demonstrated that the ral samples of feathers were furnished to Mrs. Rich. character of the English race horse had attained its utmost perfection at that early date.

At a later period, but little success had attended the efforts of those who have bred in and in. The Earl of Egremont has occasionally tried it, as well as Lord Derby, (the owner of Sir Peter Teazle,) but with little encouragement. Still the British writers are divided on the subject: Morland, in his treatise on the genealogy of the English blood horse, expressly says, that incestuous crosses should be avoided, viz: putting horses and mares together of the same class; while on the other hand Lawrence, in his splendid work on the "History and delineation of the race horse," makes the following remarks of an opposite tendency: "An adherence to the practice (of remote crossing,) cannot be held indispensably necessary on any sound theory; nor need any disadvantage be apprehended from cou-pling horses and mares of the same breed or famiy, even the nearest relative, upon the principles above and hereafter laid down. I have often heard of, and indeed seen, miserably leggy and spindled stock resulting from such a course, but other very

visible causes existed for the result. "According to the adage, like produces like, we ought to follow form and qualification; and if a on crossing, Breeding, and Rearing the Turf brother and sister, or father and daughter excel in those respects all others within our reach, we may The subject of crossing is one of the most im-enjoin them with good expectations, for aught I portant which has ever engaged the attention of know, to the end of the chapter; and the prejudicthe breeder or amateur, and it is still left in doubt ed fear of adopting this practice, has often led our and funnel, represented by B B B. The funnel is whether we ought to adhere to remote crossing in breeders into the error of adopting an inferior form inserted into the paper cap, and its inverted cone propagating the race horse, or that we may suc- from the presumed necessity of a cross." The reaches the liquid D, (within about 3-8ths of an cessfully breed "in and in," viz: putting horses and present remarks are peculiarly applicable to the breeders of the race horse in Virginia, for they are

for the last ten years past produced in that state are of the "Sir Archy stock." It were to be wished ing effect upon the feet, limbs, and tendinous systhat there was a greater variety of the race blood tem of horses bred upon it; as will a dry, clear and in that state to give breeders a wider field for se-clastic air upon their wind, animal spirits and genelection: a descendant of Mcdley or Citizen would ral habit. Such are the advantages enjoyed by the cross well upon the present numerous stock of Sir horses of the mountain and the desert; but these Archy, and it would perhaps have been a fortunate advantages are greatly enhanced in a country circumstance, could the celebrated horse Pacolet where abundant herbage and moderate temperature (who was bred and raised in Virginia,) have been are superadded. retained in that state.

our attention.

of any horse which the vicinity affords or custom preserves them in the right line of symmetry.

In the formation of studs, the object generally had in view is breeding for the turf, and one of the first principles is to breed from no stallions unless they be thorough bred; in plain terms, both their sires and dams must be of the purest blood of the Turkish, Barb or Arabian Coursers exclusively, and this must be attested in an authentic pedigree, that the sportsman is a member of the medical prothroughout whatever number of descents or cross- fession in any of its branches, but sufficiently skill thorough bred, and particular attention should be is all the knowledge requisite to perform the opetion solely to the horse, without paying sufficient if an artery of any consequence should be divided, vourable, true form will result from the union of the greatest bungler need be under no apprehentrue form, in both sire and dam: and the next geneexcel either in speed or continuance, or will possess this place an advantageous mixture of both.

Blood is blood, but form is superiority.

In rearing of turf horses, the following principles are recommended by the most successful breeders. The land to be dry and sound, the harder the bet-ter, provided it be fertile; irregularity of surface a recommendation. Fresh springs or streams, shade and shelter, and extensive range. Sufficient number of enclosures, both for each species, which it is necessary to keep apart, and to prevent too great a number of any being crowded together. Houses and may be produced by a cold or otherwise; it is or slieds in the inclosures; soft and sweet herbage generally the effect of cold, and may be removed by for the colts and milch mares; and finally a very liberal allowance of land in proportion to the stock, that there may be not only ample grazing in the made with honey into two bolusses, and given in

All breeders concur in the propriety of keeping three times a day The subject of breeding is the next which claims colts well the first and second winters; for colts from the best shaped parents will degenerate upon The business of breeding is divided into the sys- insufficient nourishment, and be stinted from the tematic and chance-medley; the formation of regu- palsying effects of damp and cold in the winter, if lar studs and observing some fixed principles, cha- a comfortable and genial shelter is not allowed racterize the former; while the latter is a kind of them. Good keep, and warmth, during the first

random affair, common to the whole country where and second years. is indispensable, in order to invifoals are raised for a man's pleasure or convenience, gorate the circulation of the animal's blood, to exfor which no extra preparations are made, or much pand his frame, to plump up and enlarge his mus-reflection bestowed, farther than to make use of cles, to encourage the growth of his bones, and to any mare that may chance to be in possession, and impart to them that solidity and strength which

AN ADVOCATE FOR THE TURF. (To be continued.)

DISEASES OF DOGS.

BLEEDING.

In speaking on this subject, I am not supposing The brood mare should be equally pure or ed in anatomy to know a vein from an artery, which paid to her form, as one of the prime causes of ration of bleeding a dog. A vein may be distin-failure with most breeders is confining their attenguished from an artery by its having no pulsation; attention to the form of the mare, and permitting the blood will flow in irregular gushes; it will be fashionable blood and the supposed necessity of a difficult to stop, (for I know of no other method cross to have too decided a preference to correct; than sewing it up,) and may cause the death of the ness of shape. To constitute a thorough bred ani dog. However, there is little danger of such an mal, and to assure the attainment of every desired unpleasant circumstance happening, and an ordinaquality or perfection, both the male and female ry degree of attention is quite sufficient to obviate ought to possess it. Experience has proven the it. The most convenient and the best place to correctness of the principle that "like produces bleed a dog, is to open a vein (the jugular vein,) like"—acting upon this principle, we have the best in the side of the neck, round which a cord should assurances to expect success from a junction of be tied; and if the sportsman is not expert at hanthe best shapes, or the greater number of good dling a lancet, he may purchase a fleam at any of points we can combine, both in the horse and the the shops where surgical instruments are sold, mare; from such a junction the average will be fa- which, by means of springs, is so contrived that sion. Those who sell this instrument will describe ral result will be, that every horse sufficiently well the method of using it, which indeed is so obvious formed, and furnished in the material points, will at first view as to render elucidation superfluous in

If, after the vein is opened, the animal should not bleed freely, pressure a little below the orifice will cause the blood to flow. Where sufficient blood has been taken, the bleeding will generally subside; should this not be the case, a little fur from a hat will stop it; or if the sportsman be very anxious, he may draw the lips of the orifice together with a needle and thread.

COLD AND COUGH.

A cough arises from an irritation of the lungs,

Antimonial powder, five grains, Calomel, four grains,

the evening for two nights successively.

If a dog should be afflicted with a cough, in the first place, examine bis throat, in order to ascer-

ing "in and in." or from the same family of horses, grass season, but an equally ample quantity of pro-as it is well known that all the turf horses now and visions of the requisite kind during the winter. continue, give tartar emetic as described under the head Distemper.

SCAB IN THE EARS.

A little mercurial ointment rubbed upon the affected part every two or three days, will very soon effect a cure.

CANKER IN THE LIPS.

Rub the affected parts with alum-water two or

Or, rub with bole ammoniac and burnt alum two or three times a day.

FILMS IN THE EYE.

Bathe the affected part twice a day with water in which a little vitriol has been dissolved, (the size of a large horse bean to a pint of spring water,) and in a minute or two wash it in clear water.

Or bathe with the following lotion twice a day:

Sulphate of copper, one scruple, Water, four ounces.

SPRAINS.

Sprains are painful swellings of the ligaments and tendons of the joints, and are caused by too great exertion of the limbs, of which the tendons become relaxed. They should be well rubbed with the following twice a day:-

> Camphor, two drachms, Brandy, one ounce;

when the eamphor is well dissolved, add one ounce of sweet oil, and shake them well together. Should not this have the desired effect, try the following:-

Spirit of hartshorn, two drachms, Sweet oil, six drachins,

well shaken, and applied as the other. Give a spoonful or two of syrup of buckthorn.

N. B. As sprains are attended with inflammation, t which should be got rid of in the first place by fomenting with warm water four or five times a day, and the following lotion applied:-

> Extract of lead, two ounces, Water, one pint.

Should any stiffness remain after the inflammation has totally subsided, apply a blister.

(To be continued.)

MISCELLANEOUS.

SALE OF SAXONY SHEEP.

A flock of Saxony sheep, consisting of 189 bucks and 30 ewes, which were imported in the brig Hyperion, from Bremen, were sold on Thursday last at Brighton, near Boston, for \$4083—averaging about \$18.64 for each sheep. The lowest price for any one was \$7, and the highest \$67.50.

At a similar sale at New York on the 12th inst. 38 bucks and 40 ewes averaged about \$27 each.

White wine has been made of the native Grape, growing in Bartram's Garden, near Philadelphia, of a superior quality. Col. Robert Carr, the present proprietor of the gardens, besides the grapes consumed at home, and those to be made into wine, expects to have at least \$000 pounds of excellent grapes in the market for sale.

WARTS.

Away with the idea, ye sons and daughters of reflection, that charms and witchcrafts are necessary to remove your Warts; rub them with spirits of turpentine and they will soon lessen—gradually decrease—yea, vanish for ever! [N. J. Adrocate. crease-yea, vanish for ever!

[† See ante, No. 16, page 125.] [† See also the article "Inflammation" in next number of Am. Farmer.]

^{*}There is a practice in Virginia and North Carolina. in giving the pedigree of a stallion, to name only one or two crosses, particularly on the dam's side, and then pronounce him 'the finest bred horse in the world."
Who cao pronounce on a horse's good or bad blood unless we know the whole of it? He may trace to the common dray breed of the country for aught we know.

A table spoonfut is a dose for a common sized dog.

RECIPES.

INFALLIBLE REMEDY FOR STOPPING BLEEDING OF THE NOSE.

One ounce of sugar of lead, and half an ounce of green vitriol, to be friturated in a glass mortar; add to send the money by mail, at the risk of the Edito these half a pint of spirits of wine. Of this comage, are to take ten or twelve drops; patients under be desired? twenty years, fourteen or lifteen drops; and grown persons, twenty drops, four times each, in a spoonful of wine or brandy. Some very interesting trials, in the most obstinate cases, have been made with this mixture, with the greatest success.

Remark.-No salt of lead should be taken internally without medical advice. It is a powerful drug; that is, if the proper precautions or proportions are neglected or exceeded, it is a strong poison. The green vitriol can have no other effect than to decompose part of the sugar or acetite of lead; that is, to convert the acctite, in part, into sulphat of lead, which is insoluble; and nearly all the green vitriol, or sulphat of iron, into acetite of iron.

PROPER METHOD OF MAKING TOAST AND WATER, AND THE ADVANTAGES RESULTING THEREFROM.

Take a slice of fine and stale loaf-bread, cut very thin, (as thin as toast is ever cut,) and let it be carefully toasted on both sides, until it be completely browned all over, but nowise blackened or burned in any way. Put this into a common deep stone or china jug, and pour over it, from the tea-kettle, as much clean boiling water as you wish to make into drink. Much depends on the water being actually in a boiling state. Cover the jug with a saucer or plate, and let the drink cool until it be quite cold, it is then fit to be used: the fresher it is made the better, and of course more agrecable. The above will be found a pleasant, light, and highly diuretic drink. It is peculiarly grateful to the stomach, and excellent for carrying off the effects of any excess in drinking. It is also a most excellent drink at cwt. Some American flour has been sold at 32s 6d a

THE FARMER.

BALTIMORE, FRIDAY, JULY 28, 1826.

GEOUR OWN AFFAIRS .- The exertions to improve the intellectual character of the agriculturists of houses during the last two weeks: the United States, and to promote their interests by the interchange of information, through the medium of the American Farmer, which circulates through every state and territory in the Union, are made with great cheerfulness and pleasure; but not without great expense. These expenses are paid regularly, every week, and we would sooner abandon the undertaking, endcared to us as it is by the approbation of the wise and the good, than to "run and uncommonly handsome, out of one of the cow in debt" on account of it. There are too many of those who receive and read it, who are yet in debt for it before the commencement of the present volume.

Now, with all proper respect for such friends to our street.

The determinant of the present volume. Baltimore on the Liberty road. Apply at No. 20, South Now, with all proper respect for such friends to our street.

July 28, 1826. establishment, we pray them to take some other way of shewing their interest in its success: we are proud of every gentleman's good opinion, but a man should be very highly clevated in the rank of in Paris-On Wheat applicable to the soil-How to de man should be very highly elevated in the rank of publick benefactors, before he becomes satisfied that his name is a good substitute for the money to the publisher of a publick journal. To be frank, without meaning to be offensive, we wish it to be understood, that we desire nobody's patronage who does not consider this journal as worth the price of the price of the substitute for the money to the Weevil in barns—On the advantages of Fallows—On Marl—Prospect of Crops—On American Opium—Culture of Cabbages—Conclusion of Mr. Stewart's Report, made in Congress, on the Chesapeake and Ohio Canal—An effectual and easy method of destroying Flies—On cleaning Feathers from their animal oil—Annals of the Turk.

no doubt forgotten it; compliance by all such at this! time will greatly oblige and particularly serve us To the many true friends who have remitted with undeviating punctuality, we return our sinecre

as conclusive evidence of the fact-what more can

Essex county, N. Y., May 15, 1826.

In the south of Scotland I rented a farm of considerable extent; the lease expired in 1823, when I came to this country, to try farming. Since then I have had one at a yearly rent, but am anxious to move farther south, as the severity of the winter is too great for my wife's health. I am perfectly acquainted with all farming business used in the best cultivated districts in Britain-and would be happy to engage with any gentleman of your acquaintance as an overseer; or to take a farm for some years at a stipulated rent-and can enter upon either at any time after the month of October next.

May I request you to insert a notice to the above effect in your publication.

I have the honour to be, sir, Your most obedient servant, JOHN THOMPSON.

J. S. SKINNER, Esq.

COMMERCIAL RECORD.

LIVERPOOL MARKET.

Extract of a letter from Liverpoot, dated June 13, 1926.

"The import of cotton in the last week was 13,700 bags, and only 5,300 bags were sold at a decline on Up lands, Alahamas, and New Orleans of 4d per lb. We quote Uplands at 6d a 7½d per lb. The accounts from Manchester are dull, and the market appears to be further declining. At a late public sale of new Rice, 200 tierces fair to good quality obtained 16s 9d a 17s 9d per meals, and may be used in the summer time, if more agreeable to the drinker.

Some American nour has been sold at 525 of a more agreeable to the drinker.

Some American nour has been sold at 525 of a more agreeable to the drinker.

Some American nour has been sold at 525 of a more agreeable to the new duty of 3s 3d per barrel, subject pretty good Turpentine have been sold at 88 9d per ewt. There is no alteration in the prices of Ashes, and there is but little demand. The sales of cotton yesterday did not exceed 600 bags, and the market being very dull, there will not be probably more to-day."

Tobacco.-Inspections in the three State Ware

No. 1,	•					296 hhds.
ã,		٠,	٠.	٠.	٠.	155 380
						S31 hbds.

FOR SALE,

A full bred Devon Bull, 4 years old last April--large sent in by Mr. Coke to Mr. Patterson. To save trouble

CONTENTS OF THIS NUMBER.

M'Cormick's Plough, letter from General Lafayette to Mr. M'Cormick, and Report of Agricultural Society understood, that we desire nobody's patronage who does not consider this journal as worth the price of subscription; and when any gentleman ceases to subscription; and when any gentleman ceases to No. VII.—Diseases of Dogs, continued—Sale of Saxony Sheen—White Wine made near Philadelphia—To cure SKINNER, Editor, by John D. Toy, corner of St. Sheen—White Wine made near Philadelphia—To cure esteem it so, he is welcome to withdraw his name, taking care first & to pay up his arrears. Many of those who have not complied with the terms, have Toast Water—Editorial—Commercial.

DOTABLE COM

S S.	PRICES (EUS	Ri	e n	T.					
h	A DESIGN FOR		WI	HOL	ESA	LE.		RET	AH	
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	BEEF, Baltimore Prime,	bbl.		50		_	-	-	_	_
.,	BACON, and Hams	lb.		5	"	9		9		12
y	BEES-WAX, Am. yellow			31		33		Ĭ		50
d	COFFEE, Java,	-		17				22		25
n	Havana,	_		15		16				20
4	COTTON, Louisiana, &c.	_		13		14				
	Georgia Upland, COTTON YARN, No. 10,	=		11						
	An advance of 1 cent			30						
	each number to No. 18.	_								
i	CANDLES, Mould,	_	1	21		14		16		18
	Dipt,	_		11						14
I	CHEESE,	-		9		11		t2		15
2	FEATHERS, Live,	_		30				37		
S	FISH, Herrings, Sus.	bbl.		371						
-	Shad, trimmed,	huch	7	00 80				- 1		
t	FLAXSEED, Rough, FLOUR, Superfine, eity,	bush bbl.	4 9	371			5	00		
7	Fine,			00			٥	00		
e ا	Susquehanna, superfi.	_	4	25						
t	GUNPOWDER, Balti	25 lb	5	00			5	50		
y	GRAIN, Ind. corn, yeltow	bush		73						
	white	-		78						
e)	Wheat, Family Flour,	-	1	00	1	05				
}	do. Lawler, & Red, new	_		75		83				
	do. Red, Susque	-		85 65		50				
	Barley,			80		70				
	Clover Seed, Red	bush	3 8	371	4	25	4	75		
ł	Ruta Baga Seed,	lb.	1	*	1	~~				
-	Orehard Grass Seed,	bush	1	75			2	00		
ı	Mangel Wurtzel Seed,	_	1	25			1	50		
7	Timothy Seed,	-	2	25			3	00		
	Oats,	_		53		55				
	Beans, White,]	70	200	,	1	87		
0	HEMP, Russia, elean,. Do. Country	ton	213 120		220 130					
)- 	HOPS,	lb.	120	15	197	,		25		
e n	HOPS,			7		9		12		
-	LEAD, Pig	1b.		61						
0	Bar	_		8		81				
r	LEATHER, Soal, best,	-		22		23		62		
a		gal.		46		0.4	6	323		75
r	Havana, 1st qual	114		32		34	1	371		
e	NAILS, 6a20d NAVAL STORES, Tar,	lb. bbl.	1	6± 50	1 6	321		9		
of t.	Pitch,	5171.	2	00	•	143				
e	Turpentine, Soft,	_	ĩ	75						
ď	OlL, Whale, common, .	gal.		27				40		
l,	Spermaceti, winter .			70				88		
	PORK, Baltimore Mess,	bbl.	1 -	00		00				
	do. Prime,		8	00.	9	00				
3-	PLASTER, eargo price,	ton.			4	00				
	RICE, fresh,	bbl.	1	50 23		3		5		-
	SOAP, Baltimore White,	lh.		12		14		18		20
	Brown and yellow,			5 1		71		8		12
	WHISKEY, 1st proof, .	gal.	9	301		32		38		50
	PEACH BRANDY, 4th pr	_		75	1	00	1	25		
	APPLE BRANDY, 1st pr SUGARS, Havana White,			36				50		
1		c.lb.	12	50	13	00	15		16	
	do. Brown,		8	50 50	9	00	10			
e	Louisiana, Loaf,	Ib.	1	19	9	50 22	1 (7	20	11	23
S	SPICES, Cloves,			70		75	1	00		43
e n	Ginger, Ground,	-		7				12		
)- -	Pepper,			17				25		
	SALI, St. Ubes,	bush		43				75		
=	Liverpool ground	_		45				75		
	SHOT, Balt, all sizes.	cwt.	9	00	0	00	0	5.0		
e	WINES, Madeira, L. P.	gal.	2	50	3	00	3	50	4	
y	do. Sicily,		1	t5 15	1	20 20	1	50		
-	Claret,	doz.	4	10	8	20	5	00	9	75
1	Port, first quality,	gal.	1	65	ì	85	2	50	9	00
t	WOOL, Merino, full bl'd	lb.		30		35	1			
5	do. crossed,	_		20		22		inw		
	Common. Country	-		15		20		ags		of
2	Skinners' or Pulled, .	-	1	20		25	1	-5		
50,				_						=
y I	Printed every Friday, at	\$5 p	er	anı	nun	1. fe	or .	101	HN	S.

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AGRICULTURE.

ON SMUT IN WHEAT.

By William Young, of Brandywine, Delaware. (From the Memoirs of the Phila. Agr. Society.)

I herewith send a sample of wheat, which produced a considerable quantity of cars filled with smut balls, in place of grain. The seed from which in 1805, was, the disease seems to have progressed it was raised was procured in this neighbourhood more slowly, and the fætid effluvia carried off by last October, and had been sown for four years, on the partial perspiration, remaining in the plant. the same farm, and deemed of the best quality. In from September to December, under various as-Carolina white, Virginia early, and red chaff beard- of smut, except that alluded to in this paper. ed wheat, were contiguous in the respective fields. and sown on. one of my fields, produced no snut the form of a fine, oily, vegetable mould.

seed of which was brought from New York

If any favourite species of wheat shall b intro-

it, as in the harvest of 1805. At othe times, it is smell already stated. the native offspring of the purest guin, infected early advances of plants are vigorou; and the in-

But when the complaint is loca unless the as-

symptoms of that sown with the smut adhering were exempted from that disease in the harvest of thereto. This was the case in 1805; the smut had the next season. no offensive smell, while the produce from the grain 2d. The disea in 1806 was highly offensive, bearing a resemblance of the infected crop of 1805, assumed an hereditato that arising from putrid fish, and continued so, ry aspect. Wherever the seed from the crop of notwithstanding the low temperature of the atmosphere. This may readily be perceived by rubbing peared in 1806. a smut ball between the finger and thumb.

The introduction of smut may be prevented by the harvest of 1805, for the first time, a mixture of careful selection and preparation of the seed. The excluded from the public eye. smut was observed. It was not, however, to that washings recommended by the best agricultural auguished, the powers for maturing the grains are depects, and in every situation, it produced a consistroyed. The smut stated as having made its apderable proportion of smut balls in the harvest of pearance in the harvest of 1805, seems to have orithe present year. I had part of two fields sown ginated in this way. No other farms in this neighbourhood were infected, or contained any mixture

The smut which made its appearance in the har-There was not a ball of smut found, except that vest of 1806, was evidently a species of hereditary from which the sample is sent. Nur was it found disease, arising from the smut adhering to the beard on any of the other farms, except when the sed of the grain sown, which had fixed itself on the

by the smut, which burst from the balls during the any in the same field. There is no apparent dis- grain are at an end. act of threshing, and lodged in the small beard of ease until after the appearance of the bloom or father plume end of the grain, preventing or impediar and, but then its progress becomes rapid and dethe process of regetation in the plant, in its emberts structive. For white the plants from the uninfected state, withholding the power required to mature the grains display vigor and health in the richness and identical grain would not, at the same time produce grain at a certain period. It becomes a mater of activity of their farina, the ear at the same time as- healthy and diseased cars, as stated. It may be no small import to investigate the causes o this disease; for although smut has not prevailed n the states of Pennsylvania, Delaware, and Marylnd, it has been highly injurious in the remote counies in foreign matter pasted thereon. Sterility and dead-such would therefore be performed in the same manthe state of New York, and in the valley o Shenandoah: and it some years ago made its opear-nandoah: and it some years ago made its opear-ance in a field of wheat in this neighbourhod, the coloured, as if it had been steeped in impuverished independent, as well as the leaders of the respecduced amongst us infected with smut, the disease might have a rapid increase; when, perhips, the evil might be ascribed to that sort of whet, or an milk, which abounded in the ear, in place of assum- quently portion the effect of the respective duced amongst us infected with smut, the disease ley: the stalk for some time continues green, which tive parts of the plant, to their proper offsets, the will might be ascribed to that sort of whet, or an milk, which abounded in the ear, in place of assum- quently portion the effect of the respective duced amongst us infected with smut, the disease ley: the stalk for some time continues green, which tive parts of the plant, to their proper offsets, the will as the leaders of the respective duced amongst us infected with smut, the disease ley: the stalk for some time continues green, which tive parts of the plant, to their proper offsets, the will might be ascribed to that sort of whet, or an increase in the plant of the respective duced amongst us infected with smut, the disease ley: the stalk for some time continues green, which independent of the plant, to their proper offsets, the independence of which has been proved, by freevil might have a rapid increase, which, periods that sort of whet, or an unfavourable state of the atmosphere, reaer than to a disease inherent or attached to the sed.

In the first over the whole, the independence of which cases the planting a part, in unfavourable state of the atmosphere, reaer than to a disease inherent or attached to the sed.

In the whole, the independence of which cases and planting a part, in grain with an interest of the search of the The foregoing facts inform us, that srut is some the coatings intended for farinaccous matter, and those offsets, radically pure and perfect, although times produced from seed, which had n mixture of secluded from the air, it produces that offensive subdivided to a great extent, performed its respec-

These are facts which introduced themselves in with, or having smut thereon, as in te harvest of the harvests of 1805 and 1806; they are now pro- the smut and imperfect grain; whatever is found

fection of all sorts of wheat, at an ifter period, which tillered, you will find produced stalks with against smut and every disease. general, there is reason to presume, the the disease perfect ears of grain, others from the identical Since writing the above, I have met with a case arises from some external circumstate, such as a grain, produced smut balls; but in no instance were of a palm tree, somewhat analogous to the hypo-

peet is of the same kind, there i reason to con-diseased crop, and under the circumstances last man miles from Berlin; from thence a branch of the clude the seed has been in som respect impers stated, the disease becomes hereditary. It is rea- flowers was procured, and suspended over the tree fect. And being unable to preuce the farina, sonable to conclude, that part of the seed sown in at Berlin; the experiment produced ripe fruit; next and mature the grain, an abortiorakes place, and 1804 was damaged, for it produced a mixture of year it was repeated, and the palm tree produced the result is the same, but not atteded with all the smut, while all the farms in the neighbourhood above 2000 ripe fruit. The fruit regetated, and

2d. The disease in the harvest of 1806, from seed 1805 was sown, and in those places only, smut ap-

I am aware of the danger of submitting hypotheor false, the hypothesis, if wrong, may invite that solid information, which otherwise would have been

It is therefore presumed, that the smut of the extent, as to be considered deeply injurious to the thorities, are to be performed, and all imperfect harvest field of 1806, arose from a privation of the grain, which was of course sown upon several grain rejected; for it frequently happens, that all action of the beard (which is on the plume end of farms, and upon different fields in the same farm, though the principles of vegetation are not extin- the grain of wheat,) in the economy of vegetation. The office of that beard, in the embryo state of the plant, is either to generate, act upon, or in the vessels producing the bloom, or farina; for if these vessels are imperfect, or the action required be wanting, all the mutual advantages which result from the perfection of the farina, and its operations will cease; instead of grain, there will be a putrid mass, as in the sample before you. Every one will allow, that the beard is formed for some important function, in the service of the plant. It is here was sown from the same stock. And even the same pure grain (after being put into motion by the ope-species of wheat, procured from another farm, auton of threshing,) where it appears deposited in produced; when it is suffered to remain on the alls.

It is as yet unknown, by what means smut be beard, smut is produced. It is then in some meaThe farinaceous part of the grain, into which the comes so pernicious to the offspring of the plant, sure conclusive, that the diseased ears neither resmut adhered, was perfectly pure, after the smit arising from the grain to which it adheres. It does ceive nor communicate the farina. For until this was removed at the barley mill. not produce any fungous matter, which might prove period, all the usual functions were performed, so It is evident, that the seed produced in 1805 we injurious to the root, or stalks of the plants: for far as inspection could determine; afterwards all infected by a kind of hereditary disease, occasional their vigor and appearance were not surpassed by the operations of the plant toward maturing the

nated, and finally returns to the roots, visibly dis- of the grain is minute, yet their ramifications are

tive function in vegetation.

The washing recommended, is merely to remove 1806. The first may arise from aninfavourable state of the atmosphere, or more freuently from before him, and draw such conclusions as arise out expedient. No dependence is placed on various some radical defect in the seed sowr. When the Another fact may be added, that some grains and laid in a soil well prepared, is the best security

hot sun, after heavy rains, continue moisture to grain and smut balls found in the same ear, as statexcess in the atmosphere, while at a high temperature, with high wind prevailing i a continued. I shall conclude this communication with such redraught, while the bloom of farina 3 present, and flections as arise from the circumstances laid before and did not vegetate. There was a male plant of 1st. That imperfect or damaged seed yields a the same kind in a garden at Leipsic, twenty Ger-

No. 20. - yol. 8.

Essays, York edition, p. 432.

Remarks on the foregoing, with additional Observations on Smut, and the means of preventing it-hy James Mease, M. D., will be inscrted in the next Farmer.]

(From the Memoirs of the Board of Agriculture of the State of New York.)

ON LIMING SEED WHEAT.

By James M' Call, of Allegany .- Jan 26, 1825.

Sir,-In answer to your inquiry on the subject of smut in wheat, I will state to you what has fallen

under my observation.

and let it lie in a heap twelve hours before sowing.

my neighbours had more or less smut:

and limed, and a pint of salt to each bushel mixed of life, by expelling the use of ardent spirits. with the lime; a third parcel was washed in strong pickle and limed; and a fourth sown without any tween the 5th and 15th of September.

In 1819, Mr. L. bought his seed of my neighthe part sown with my seed was free from smutthat sown with G's seed had a little-and that sown with B's seed was one fourth smut. This state-

of spreading their straw upon their pasture grounds, either in spring or fall. It will shield the ground succeed, as the inward lateral boughs will cross other, but let them be so disposed or situated from the extreme cold which often breaks the each other. Its branches should be equidistant, and around the sem, as will give to the inner parts ventithe ground from the scorching rays of the sun, prevents the evaporation of moisture, fertilizes the soil, and eauses a strong rich sward; and when ploughfibrous roots of the grasses. In summer it shields ed, will be equal to a good coat of manure.

J. Buel. See'ry, Sec. JAMES M'CALL.

J. BUEL, Sec'ry, S.c.

private use and profit, stored with the various sorts of fruit trees, must be very great; as well as afford infinite pleasure from the delightful appearance it ry, because the small space allotted for them will courtrary bias, ad from the irregularity of the seamakes from early spring, till late in autumn; in not permit a regular expansion either of the rout sons, which in pine years causes a great defect,

expressed, on observing the almost universal inat-tated by wooden pegs. The too common fault of tention paid to the greater number of our orchards, squeezing them into small holes, has ruined many and that people who go to a considerable expense trees: the holes must be wide enough to extend at in planting and establishing them, afterwards leave least one foot beyond the limits of the longest roots. them to the rude hand of nature; as if the art and and the mould be made quite mellow. ingenuity of man availed nothing, or that they merited no further care; however, it is to be hoped, the natural good soil; if you make a deep hole. that the good example, and the consequent success bason-like, into the elay bottom, or unfriendly subof the careful and industrious, will stimulate others soil, which is too frequently done, and plant the to pay the necessary attention to these departments, roots therein, even filling it round with good earth and thereby to serve themselves as well as the com- will not do; for as soon as it pushes its roots beyond nunity at large.

prehend a variety of fruit trees, it may, perhaps, be most healthy tree, and can never afford it suitable When I resided in Scneea county, several years proper to remark, that the observations which will juices fur perfecting delicious fruit; besides, the ago, my attention was particularly drawn to this follow under this head, will be exclusively confined lodgment of water about the roots in this confined subject, by observing, that while myself and neight to apple trees. There is no other fruit tree which bason, in wet seasons, will cause the tree to become bours were much injured by smut in our wheat, the so richly deserves the attention and cultivation of sickly, and to get overrun with moss, and full of crops of Mr. C. uniformly escaped. I inquired into the husbandman, as the apple; it will thrive and canker. the cause of this singular exemption, and learnt live in almost every climate; it yields a fruit equal-

My crop was perfectly clean, while I can say all cultivation of orchards and the making of good tofeel the salutary influence of sun, air and raio. cider; by way of discouraging the too general use Agreat orchardist once said-"always plant shal-In 1817, part of my seed was washed and limed, of ardent spirits. Good cider would be a national as in the preceding year; another part was washed saving of wealth by expelling foreign liquors; and

The mismanagement of apple trees often begins habit of regular growth and will be easy to keep in in the nursery, by leaving suckers from the roots, preparation. The result was as follows: The first by letting the trees grow so crooked as to become had a little smut; the second none; the third none; incapable of a good shape, and especially by leavand the fourth was a quarter smut-all on the same ing branches for two or three years, which must be

too low, or crowd the head.

This incumbrance has wasted a great part of the bours, Mr. B. and Mr. G. and of myself, and sowed sap, which would otherwise have increased the reall without preparation. Mr. G's crop was from gular growth. The wounds occasioned by this seed had of me the year before, and sowed without lopping cannot soon be covered with new bark, and large heads, and but few and scenty roots, reduce liming. B. had never prepared his seed by any in the mean time often produce a decay. Some their tops by a select and judicious pruning, to a process. It was found, on harvesting the crop, that trees are removed from the nursery, because some through a wren's quill, could not long exist. This persons regret the loss of branches which would will sedom happen, unless by accident, or carelessbear the same or the next year, and others cannot ness in the taking of them up; provided they are with B's seed was one fourth smut. This statement I had from Mr. L. I mention this circumstance to show, that seed wheat well cleaned as mentioned, will have an effect for two or three crops, but I would never recommend to sow wheat without salt and lime.

As the Hessian fly has never yet troubled us in Allegany, I am unable to speak of the efficacy of preventing the ravages of that insect.

I beg leave to suggest to farmers, the propriety of speeding their growth and force a much worse amputation. The head of every tree should begin at least six feet from the ground; and of those whose branches are sloping, eight. When the head has been formed so low as five feet, but is well grown, it may be continued; but then its house whose branches one the range of the branches should begin at least six feet from the ground; and of those whose branches are sloping, eight. When the head has been formed so low as five feet, but is well grown, it may be continued; but then its house whose branches ought to be trimmed near the stem, and better will the tree bear, for from that circumstance the same or the next year, and others cannot raised t proper distances in the nursery.

No banch should ever be shortened, unless for much worse amputation. The head of every tree should begin at least six feet from the ground; and of those whose branches are sloping, eight. When the lead has been formed so low as five feet, but is should begin at least six feet from the ground; and of those whose branches are sloping, eight. When the figure of the tree, and then constantly taken of close at the separation, by which means the wound soon hels. The more the range of the branches should ever be shortened, unless for the figure of the tree, and then constantly taken of close at the separation, by which means the wound of those whose branches are sloping, eight. When the figure of the tree, and then constantly taken of close at the same of the figure of the tree, and then constantly taken of close at the same of the figure of the tree, and then not more than six, nor less than four. If the tree lation, and amit sunshine, without much thinning. others from good buds. It is a bad practice to must incline the tree more and more, so as to be shorten the top or the branches, except a little easily torn up by the roots, and also weaken the where they are too slender for their length; by ex- hold of these ranches to the stem. ORCHARDS.

(From Agricultural Essays.)

The utility of an orchard, or orchards, both for in bearing, because the first fruit comes towards weight more pwerful, as on a lever. The impor-

spring the various trees in blossom are highly ornamental; in summer, the pleasure is heightened by observing the various fruits advancing to perfection; and as the season advances, the mature growth of the different sorts arriving to perfection in regular succession, from May until the end of October, must afford great delight as well as profit. The

produced young palm trees. See Hunter's Georgical feelings of a lover of improvement can scarcely be taut, so far as is practicable, which may be facili

this, they must enter the bad and unfriendly soil, As orchards, in their general acceptation, com- which will not fail to bring on the decay of the

Young apple trees planted shallow, and the holes that it was owing to the seed having been limed.

In 1816, therefore, I washed my seed, put about three pints of lime to each bushel, mixed it well, the best wine.

Young apple trees planted shallow, and the holes filled up with rich native mould or earth, always succeed the best, or more completely insures the best wine. It behoves every philanthropist to encourage the roots of the young trees are so near the surface as lov and give a top dressing."

A tree well pruned, planted, and secured by stikes against violent winds, will soon acquire a

god order afterwards.

Pruning is an important article in the management of orchards, and therefore deserves the partiular attention of the husbandman. Pruning, kind of land, and all sown in good weather, be- cut away when the tree is planted, because they are wen judiciously done, promotes the health of the tees, brings them sooner into a bearing state, and continues them in vigor for nearly double their

upper branches, that have this height, and form the port loads of ruit. Clusters of limbs on one side

ration extremely prejudicial to the tree. ter by thinning, lopping off branches thicker than of good staple, will be proper for this purpose. their own arms and legs, moreover, lacerating the parts, and leaving them exposed to all the injuries avail, because they convey moisture and frosts to the stem, even before they rot. In a few years large branches become sickly and produce bad fruit, and a premature death is generally certain. How often by the fruit, and render their juices crude and un-

large, as beyond a diameter of two and an half what is called a fire blast; which is extremely hurt- and by forwarding the fruit too soon, to drop before inches, it is unsafe to cut them off, but some of their ful to fruit, and most frequent where orchards are the time for gathering to keep, or for eider. Melsmaller boughs may be removed. If they gall others, open to the south sun. the amputation cannot be avoided; but healing plasters and good covering should be applied to the

Whenever a branch is cut off, it is essentially necessary that it be taken off perfectly smooth and close, for it is impossible the bark can grow over a stump, because there is no power to draw it that whether a certain branch should be taken off, conimpervious to the sun and air.

By a redundancy of wood the roots are exhauswood, by retaining the damps, and preventing a fruit becomes of a crude inferior quality

this operation will be fully experienced, and its dis-stirred about their roots and kept loose and open. advantages, arising from neglect and its improper

nor wet, is the most suitable for all kinds of fruit the first and second year's cultivation of orchards. In gathering apples we must consider the climate trees, and whether this be on high or low situations, it is an excellent practice, if orchards are sowed in which we live, and direct our practice according it should be preferred to every other. Generally any kind of small grain or grass, to dig up the earth to the degree of heat or cold. In hot countries the speaking, ground that will preduce good crops of twice in the year around the root of the trees for fruit must be gathered sooner than in colder ones,

tion from the earth mixed with it, will be imbibed more in their preservation from our summer drought."

apple trees are planted 33 feet apart in squares, is poor, stable manure is the least proper kind to be which he considers the nearest distance they should used, being, from its nature, least able to resist the be planted." Another distinguished orchardist of destructive effects of our summer droughts, and af-

the proper distance."

trees will be so loaded with wood as to be almost fall, and they will gain fibres enough to support are extremely injurious to fruit and fruit trees. them before winter, and will shoot well the next; ed unprofitably, the bearing wood is robbed of part the time of planting young apple trees will be required in the spring, and the natural life of the tree gulated by the season. In the fall they may be means they will root about the trees, so as to keep unnecessarily shortened; whilst the superfluous wood planted as soon as they have shed their leaves, pro-

In planting trees, should the earth be rather shaldue circulation of air. It is common to see fruit luw, so that you cannot cover the roots a sufficient which evil is properly avoided by scoring the bark trees, by a neglect of pruning in due time, with depth with good soil, you must have some hauled with a sharp knife; but care should be taken not to two or three tiers of boughs pressing so lard upon for that purpose, to where each tree is to be plantone another, with their twigs so intimately inter- ed, or collected to such places from the general or inner bark. A great enemy to apple trees in woven, that a small bird can scarcey creep in surface, and bank the roots around therewith; for many parts of the country, is the caterpillar. The among them. Trees, thus neglected, aquire, from there is no alternative, between planting them in method of destroying them, is to go early in the want of due ventilation, a stinted haut, and the the good soil, where their roots can take a wide ex- morning and twist their nests out of the trees with tended horizontal direction, and lie within the reach a forked stick or long pole it is said by a respecta-If pruning is commenced in the nursery, and re- of the genial influence of heat, rain, dew and air, ble farmer, that by placing a large clod of dirt in

rishing state, all the advantages to be derived from comparatively slow, for want of the earth being dirt again to get into the tree.

application, entirely avoided.

attention to the raising of orchards, than perhaps laziness in a farmer who permits his orchards to be With respect to situation, very thriving orchards any other person in our country, (he having above injured by these insects. Apple trees are very often are frequently found on high and low grounds, on 3000 apple trees in cultivation,) thus remarks, almost entirely ruined by moss, which kills many, declivities and plains, in various aspects and expo"young orchards thrive in proportion to the goodand injures others so much, that they are only an
sures; but this is in consequence of he natural soil
ness of the soil and the degree of cultivation beincumbrance to the ground and a disgrace to the being good. You should, however, awid very damp stowed on them. Shallow planting more complete-situations, particularly such as lodge water; for in ly insures the success of their living: which pre-ing and rubbing off the moss in the spring of the very wet soils no fruit trees will posper, nor will serves the roots so near the surface of the earth, year, with a rounded iron scraper. Draining the the fruit produced in such places be good; but a that by keeping the soil around them in a loose land, if too wet, or retentive of moisture, will somemoderately low situation, free from wet, may be and mellow state, free from weeds, grain or grass, times prevent or cure moss; or digging round the inore eligible than an elevated ground, as being less they may feel the salutary influence of the sun, air trees on the approach of winter, or in spring, and exposed to tempestuous winds; but, if having a and rain; the last of which, in our dry climate, is bringing fresh mould, or the scouring of ponds, or gentle declivity, the more desirable. A proper soil particularly essential to their success for several the earth ploughed up on the site of long standing being the grand and essential rejuisite, should be years after planting. For this reason, all kinds of fences and laid round them. Whatever contributes carefully selected; for on this depends much of your fallow crops, such as potatoes, vines, and Indian to the health of the tree, will cure, or in some desuccess. A good, deep sandy loan, neither too dry corn, particularly the last, are peculiarly adapted to gree mitigate this and other diseases.

When pruning is too long neglected, the limbs to natural grass, or kitchen garden vegetables, is suital several feet, so as to make a circle of at least six be taken off become so large as to render this ope- ble for an orchard; if of a loamy nature, it will be feet diameter. All grain crops are injurious in pro-Many a particular advantage; any soil, however, of a portion to their proximity to the tree, their power persons are so stupid as to mangle regular and good quality, not too light and dry, nor too heavy, of exhausting the moisture from their colour, or healthy trees, on the pretence of making them bet- stubborn, or wet, and not less than one spade deep producing a great degree of intense reflected heat. To avoid these injurious effects, dig as mentioned You should have great regard to the distance of above three feet around, which will keep the soil planting the trees, which is what few people have loose around them, and enable the trees to resist or from heat, cold, wet and insects, and thus a certain rightly considered; for if you plant them too close, live in a long drought. Although this operation prey to gangrene. Saving the stumps will not they will be liable to blights; the air being thereby where extended to several thousand trees, which at pent in amongst them, will also cause the fruit to present compose my orchards, necessarily is producbe ill tasted; for a great quantity of damp vapours tive of much expense and trouble, I am repaid four holes appear in the body of the tree, the remaining from the perspiration of the trees, and the exhala- fold in the increased vigour of my trees, and still

There is no doubt that continually enriching and have farmers nearly ruined their orchards by haul- wholesome; besides, it is the opinion of some well cultivating old apple orchards is injurious to the ing from them in the spring, wagon loads of the pours and perspiration of the trees collect the heat greatest advantages. By manuring and cultivating When by neglect irregular branches have become of the sun, and reflect it in streams, so as to cause old orchards too often, it causes them to overbear; low mud or rich mould is the best manure which An experienced orchardist observes, that "his can be applied to young apple trees. If the ground Pennsylvania, "thinks that squares of forty feet is fording a shelter to vermin equally pernicious in the winter, particularly in light soils; rich earth or river In dry, sandy ground, plant trees in autumn, and and meadow mud ameliorated by frost or putrefacway. In pruning, when doubts are entertained in soils inclined to be moist or watery, in spring, tion, either in its simple state, or mixed with ashes, otherwise the winter is apt to chill and kill them. lime or perfectly rotten dung, is of all others, after sider whether it will be in the way three years In such soils it is good to open the holes in the fall, the first year, the best dressing, to be spread on the hence; if it will, the sooner it is off, the better and let them remain open all winter; this enriches surface and ploughed in. It is an excellent practice When pruning is neglected, an orchard becomes of and mellows the land thrown out, and fits it better to keep hogs in an orchard to eat all the fruit which very little value, as boughs will then be suffered to for planting. Where a soil is light and sandy, and falls while small and unripe, thereby to destroy a hang dangling to the ground, and the heads of the not subject to inundation, plant the trees in the worm called curculio, contained in the fruit, which

When hogs are kept in an orchard, they should spring, and better than those planted in the spring, be fed in mornings around the roots of each tree, endangers the tree by giving the winds an addition-vided there is no frost in the ground, and in the a considerable manuring. It is constantly obal power over it, and is injurious to the learing spring before the buds begin to burst. fast for the bark, it causes blotches and lacerations; gularly continued every spring in theorehard, by taking off small limbs as they gradually appear, by this means keeping the trees in a bearng and flouters; whereas in grass ground their progress is will immediately desert, and will not crawl over the

But they are so easily destroyed by the former William Coxe, of New Jersey, who has paid more method, that it should be considered nothing but

remain on the tree. We should gather fruit after structive to young plants in warm and dry weather, is calcareous marl, or marl rich in calcareous earth. a frost, for we are then sure the sap will no longer which is simply to steep the seed in train or fish oil affords. This consideration merits more attention, and sulphur, for fifteen or twenty hours before seed-ingredient prevails, lose only 8 or 10 per cent. of

perhaps, than has hitherto been paid it.

orchards properly cultivated, and the cider produced from them properly made, every farmer would years past with all the small seed I sow." One find that no pains or attention which he could be-would not readily believe that the steeping of small quantity of calcareous earth in a marl, let the solustow upon his orchards would be too great. In the northern states, the farmers discover that they cannot pay too much attention to their orchards. There they have almost completely substituted cider for ardent spirits; and this wholesome beverage is to be found on their tables little inferior to the best wine, of vegetation, by the soil, sun, air and moisture bethroughout the year. I have before observed, that fore the leaves of the plant were developed. But, ty of lime submitted to experiment, contained. good cider would be a national saving of wealth, by we cannot reason against experiments. "No arguexpelling foreign liquors, and of life, by expelling ment like matter of fact is." It is easy to try Mr. the use of ardent spirits. And I consider apples, under all their varieties, the length of time they may be preserved, and the many uses made of aip seed, why not with other seeds? It will no them, not only the most valuable of all our kinds of doubt be effectual against all insects, which like the fruits; but perhaps of more real value to the peo- wire worm, attack the seed itself, which has been ple in general than all the other fruits. Besides these considerations, the pleasure and delight which a farmer must experience in the cultivation of an nate any seed with a substance which will protect orchard, exceeds, perhaps, any other belonging to his pleasing and happy pursuit.

TURNIPS.

(From the New England Farmer.)

Perhaps no better directions for raising turnips can be given than by copying the statement of the mode of cultivating the crop raised by Messrs. Tristram and Henry Little, of Newbury, Mass., for

years; in July, 1823, the lot was mowed and the with that vigour which can insure its full develophay made on the same land, and the produce was one ton and eight hundred. The sward was then ploughed as deep as would turn over, and twice barrowed; furrows were then opened at the distance of three feet apart, ten ox cart loads of manure, mixed with ten loads of marsh mud, or sod, were put into the furrows, which were covered with a plough; one pound of seed was sown with a major of lime. It is owing to the presence of this earth ver, and abounding in timber and woodiness, parachine, one row on each ridge, and a roller was

sheep on the ground, according to the customary ounces of diluted muriatic acid into a Florence Earth, book ii. hap. ii. Sickler's Geschichte der obst mode of preparing for a turnip crop. Sowing flask, place them in a scale, and let them be ba-culture &c., 180. t Band. broadcast will do well; but sowing in drills or rows lanced. Then reduce a few ounces of dry marl. The gardens of Hesperides were situated in Afriwill do better. In either way the crop will be the into powder, and let this powder be carefully and ca, near Mount Atlas, or, according to some, near better for hoeing and thinning out the superfluous gradually thrown into the flask, until, after repeat-Cyrenaica. They are described by Scylax, a geoplants. If the soil is not very poor, a good crop ed additions, no farther effervescence is perceived, grapher of the sixth century, B. C., as lying in a may be obtained, even without manure, but a much let the remainder of the powdered marl be weigh-place eighteen fathoms deep, steep on all sides, and

After all, many excuse themselves from paying much attention to their orchards, by saying "they are not worth it." Herein they are mistaken. Were leafed out. This antidote I have used for several will harden and form a brick. seeds with any substance, however offensive to in- tion in muriatic acid be filtered, and mixed with a sects, could preserve the *plants* which vegetate from solution of carbonate of potash, till no farther presuch seeds, from the ravages of those little deprecipitation appears. Let the sediment subside, wash such seeds, from the ravages of those little depredators. It would seem that the flavour of the train oil and sulphur would be dissipated by the process of vegetation, by the soil, sun, air and moisture be-Harris' recipe. If it does not succeed, the expense will be but trifling; and if it does succeed with turnip seed, why not with other seeds? It will no OF THE FABULOUS GARDENS OF ANTIplanted or sown, under ground. But we can hardly, at present, believe that it is possible to impregthe plant, springing from such seed, from insects. But it is easily tried, without any risk.

Common lamp oil and brimstone are cheap, and at the command of most or all farmers. If they do things, seems to have been the first essay of the fifteen or twenty hours destroy the power of vegetation in any seed. This is our opinion, but we may be incorrect. We know that some scientific introductory chapter to the different primeval reliwriters on agriculture have condemned the use of gons which are found in the world. These religions steeps for seed; and no doubt they may be injurious, lave been arranged by philosophers (De Paw's Distram and Henry Little, of Newbury, Mass., for which they received two premiums of \$20 each from the Massachusetts Agricultural Society, in 1823. One of these premiums was for having raised the greatest quantity of turnips on an acre, and the other for having raised the greatest quantity of the same vegetable as a second crop.

"The lot is on the north side of a small swell on our farm in said town; the soil is a yellow loam on our farm in said town; the soil is a yellow loam on our form the Massachusetts Agricultural Society, in three divisions; Barbarism, Scythism, and he in they go to destroy the germinating principle, when cautiously and properties the seed. But, when cautiously and properties the seed. But, when cautiously and properties determined by philosophers (De Paw's District) in three divisions; Barbarism, Scythism, and help the ferminating principle, when they go to destroy the germinating principle, when they go to destroy the many and properties the seed. But, when cautiously and properties the seed. But, when cautiously and properties the seed. But, when cautiously and properties the seed. But, when they go to destroy the me arranged by philosophes (seed. But, when they go to destroy the me arranged by philosophes (seed. But, when they go to destroy the me arranged by philosophes (seed. But, when they go to destroy the me arranged by philosophes our farm in said town; the soil is a yellow loam on aspect, and has not strength enough to extend its ated to be gods; and the Mahomedan paradise a gravelly bottom, and had been down to grass two roots, and put forth its stem, leaves and branches, the reward held out to the good in a future state.

ANALYSIS OF MARLS.

(From Orfila's Practical Chemistry.)

that marks effervesce on the addition of acids, which dise seems to have borne some resemblance to a made to pass over the same, which completed the is one of their distinguishing characters. In ascerpark and pleasure grounds in the modern taste, to sowing. As soon as the third leaf was grown they taining whether an effervescence takes place, let which indeed its amplified picture by Milton has were thinned to the distance of one foot apart in the rows. After that they were three times plough- which will expel a portion of the air contained me- rise. ed between the rows and twice hoed; the harvesting was in November, and the product was nine hundred and eight bushels."

When Adam began to transgress in the garden of fallacy. When the marl is thoroughly penetrative was turned but to till the ground, and Paradise and eight bushels."

better with manure. Wood ashes, soot and lime ed, by which the quantity projected will be known two stadia in diameter, covered with trees of variance said to be preferable, as manure for turnips, to that which is obtained from the farm yard.

Let the balance be then restored. The difference ous kinds, planted very close together, and interthat which is obtained from the farm yard. A writer for the American Farmer, vol. II. page requisite to restore the balance, will show the were golden apples supposed to be oranges,) pome-tion, who signs "Thomas Harris," and dates "Rock- weight of air lost during effervescence. If the loss granates, mulberrie, vines, olives, almonds, and

because the sap has performed its work sooner. hall," says, "I beg leave to suggest to you a specific amount to 13 per cent. of the quantity of marl pro-

ing; the oil may then be strained off, and the seed their weight by this treatment, and sandy mark

HORTICULTURE.

QUITY.

(From Loudon's Encyclopedia of Gardening.)

The first efforts of authors seem to have been directed to the most difficult subjects, and accordingly the oldest writings in all countries treat of religion. To record traditions explanatory of what was to mysterious for unassisted reason to find out, or to produce original explanations of the nature of

Gan-eder, or the Jewish paradise, is supposed to have been situated in Persia. Its description may be considered as exhibiting the ideas of a poet, whose object was to bring together every sort of excellence if which he deemed a garden susceptible; and it is remarkable that in so remote an age

It is not yet too late to break up mowing or pasture ground, and raise a good crop of turnips, without the expense and trouble of yarding cattle or

To find the composition of a marl, pour a few of Paradisc, 191, 12mo. Burnet's Theory of the

What finally became of the nymphs of the garof which, as Lord Walpole observes, "not a slip or species.

a sucker has been left behind."

of his religion, is said to abound in umbrageous groves, fountains, and Houri, or black-eyed girls: a thousand years.

original tradition. Paradise, he considers as a sort of figurative description of the finest district of Peron this subject are to be found in his history of fruit sions; for in the grasses the nerves are parallel. trees. Geschichte der obst cultur, &e.

of modern date, and may probably have been sug-gested by the gardens described in "Solomon's Song," and other poems: though some allege that but one organ, of which the constituent parts do not the rural coffee-houses which abound in the sub- separate spontaneously from one another by means

PERFECT PLANTS.

(From Loudon's Encyclopedia of Gardening.)

The parts of perfect plants may be distributed into conservative and reproductive, as correspond-ing to their respective functions in the economy of vegetation.

Conservative Organs - The conservative organs are such as are absolutely necessary to the growth and preservation of the plant, including the root,

trunk, branch, leaf, and frond.

The root is that part of the plant by which it attaches itself to the soil in which it grows, or to the subfixed; such as the several species of lemma or duck meat; and of plants denominated imperfect, some have no root at all, or, at least, no visible part distinct from the rest to which that appellation can be ascribed; such as many of the confervæ; or they are apparently altogether root, such as the tuber cibarium or truffle. 'The viscum or misictoe roots into the bark of trees. At the point of union between the root and upper part of the plant, there may genera. ly be perceived a sort of annual bulge or protube rance surrounding or encireling it. It is most dis-cernible in the early stages of the plant's growth and is then particularly conspicuous in the horsechestnut. French botanists call it le collet, the collar. Roots have been found to exhibit a considerable variety of shape, size, and structure, analogous to the peculiarities affecting the general habit of the plant.

walnuts; and the ornamental trees included the ar- dex ascendens, or root above ground; an illustration sphere of action. Remember the solemnity of

den, or of the apples, we are as ignorant as we are they exhibit some considerable variety, furnishing a of the fate of paradise, or the tree "in the midst ground of distinction, occasionally resorted to by they exhibit some considerable variety, furnishing a dence against us for our least omission. thereof," which contained the forbidden fruit, and botanists in the discriminating and characterising of

The leaf, which is a temporary part of the The promised garden of Mahomet, or the heaven plant, is a thin and flat substance of a green colour, issuing generally from numerous points towards the extremities of the branches, but sometimes also imand the enjoyments, which in such scenes on earth mediately from the stem or root, and distinguishable last but for a moment, are to be there prolonged for by the sight or touch into an upper and under surface, a base and an apex, with a midrib and lateral Dr. Sickler is of opinion, that the gardens of Eden nerves. But to this definition there are no doubt a and Hesperides allude to, or are derived from, one good many exceptions. For leaves are not always thin and flat, nor are they always green. The leaves of the aloe and common house-leek are thick and sia; and he traces various resemblances between the fleshy; the leaves of the beet are of a dark and dull purple; and the leaves of Canary reed-grass are vaapples of Eve and of Juno; the dragon which never purple; and the leaves of Canary reed-grass are va-slept, and the flaming sword which turned every riegated with stripes of green and white. Nor are way. Some very learned and curious speculations all leaves furnished with a midrib and lateral divi-

The frond, which is to be regarded as a com-With respect to the paradise of Mahomet, it is but pound of several of the parts already described, urbs of Constantinople gave the first idea to the of the fracture of any natural joint, as in the case prophet. their decay. Like the stipe, it is peculiar only to palms, at least as applicable to perfect plants, and is sometimes pinnate, as in zamia integrifolia; sometimes doubly pinnate, and sometimes fan-shaped and plaited, as in chamærops humilis and raphis flabelliformis.

> METHOD OF CLEARING TREES FROM WORMS, CA-TERPILLARS, &C.

The following method of driving worms, caterpillars, and all other sorts of insects, from trees, has With pride they show'd th' admiring world their lately been practised with singular success: Bore a hole into the trunk of the tree, as far as the heart; taches itself to the soil in which it grows, or to the sub-stance on which it feeds, and is the principal organ fitted plug; a tree of from four to eight inches diof nutrition. This definition is no doubt liable to exceptions. For even of plants denominated perfect, some arc found to fluat on the surface of the water, having their roots immersed on it, but not away in forty-eight hours, but uniformly succeeds, perhaps sometimes after a longer period.

[Silliman's Journal.

LADIES' DEPARTMENT.

A MOTHER TO HER DAUGHTER, ON MARRIAGE.

You are now my beloved child, about to leave those arms which have hitherto cherished you, and directed your every step, and at length conducted you to a safe, happy, and honourable protection, in the very bosom of love and honour. You must now be no longer the flighty, inconsiderate, haughty, passionate girl, but ever, with reverence and delight, have the merit of your husband in view .-Reflect how vast the sum of your obligation to the man who confers upon you independence, distinction, and, above all, felicity. Moderate, then, my The trunk is that part of the plant which beloved child, your private expenses, and proporspringing immediately from the root, ascends in a tion your general expenditure to the standard of Attend, AMANDA, to my mournful Muse, vertical position above the surface of the soil, and his fortune, or rather his wishes I fear not that, constitutes the principal bulk of the individual. It with your education and principles, you can ever Nor to Cleora's bier a sigh refuse, has been represented by Linnæus as being the cau-forget the more sacred duties, so soon to be your Tears from the coldest hearts he

Juno gave to Jupiter on the day of their nuptials. They were occupied by three celebrated nymphs, taughters of Hesperus, and guarded by a dreadful dragon which never slept. Hercules carried off the apples by stratagem, but they were afterwards returned by Minerva.

The branches are the divisions of the trunk, originating generally in the upper extremity, but of the primary divisions and the sides. The primary divisions, and to heaven itself for those again into still smaller divisions, till they terminate at last in slender twigs. In point of external form and structure the heaven of the which are agains to still smaller divisions, till they terminate at last in slender twigs. In point of external form and structure the heaven of the which are the solemnity of your condition. You are amenable to society for your example, to your husband for his honour and happiness, and to heaven itself for those provement; and though, in the maze of pleasure form and structure the heaven of the which are the divisions of the trunk, originating generally in the upper extremity, but of your condition. You are amenable to society for your example, to your care and your improvement; and though, in the maze of pleasure form and structure the heaven of the which are the divisions of the trunk, originating generally in the upper extremity, but of your condition. You are amenable to society for your example, to your character, the sancting of your condition. You are amenable to society for your example, to your character, the sancting of your condition. but in point of insertion, distribution, and direction, a record which will one day appear in terrible evi-

A WIFE.

When a man of sense comes to marry it is a companion whom he wants, not an artist.-It is not mercly a creature who can paint and play, sing and dance; it is a being who can comfort and counsel him, one who can reason and reflect, and feel and judge, and discourse and discriminate; one who can assist him in his affairs, lighten his sorrows, purify his joys, strengthen his principles, and educate his children. Such is the woman who is fit for a mother, and the mistress of a family. A woman of the for-mer description may occasionally figure in the drawing room, and attract the admiration of the company, but she is entirely unfit for a helpmate to a man, and to "train up a child in the way he should go." Port Folio.

ELEGY

To the Memory of a Beautiful Young Lady.

"Nimium ne crede cotori "Alba ligustra cadunt, Vaccinia nigra leguntur."

No more of Love's enchanting joys I sing, No more my mind on Fancy's pinion flies, But to that dreary dwelling stoops her wing, Where, in Death's icy arms, Cleora lies.

Attend the lay, ye gay and beauteous train Who careless flaunt where late Cleora shone, Read in her early fate such charms how vain. Nor joy to call the fading gifts your own.

Fond was the care with which her youth was rear'd, Joyful her parents saw their blossom blow. Each day some virtue, or some grace appear'd, Ah! little thought they of the coming wo.

child.

Whose faultless mind might awe detraction's In whose bright eye resistless sweetness smil'd. But, ah! what smile can soothe the tyrant Death?

Cleora's cheek the rosy tincture leaves, Her swimming eye the lively lustre flies: With keenest pangs her gentle bosom heaves, Heav'n claims its own, the beauteous suff'rer dies.

Ah! what avails it, sister beauties, say,
To shine the fairest of the youthful throng, To win the brave, the witty, and the gay, Touch the soft string, or pour the melting song?

Will charms like these avert the stroke of Death. Assuage his pangs, or chase his loathsome gloom? Will they one bour survive your parting breath, Or cheer the dreary mansions of the tomb?

Ah, No!-'tis virtue, innocence, and truth, That draw the tear sincere from Pity's eye, Strike the cold heart of age, warn thoughtless youth, And call from friendship's breast the bursting sigh.

For such, Cleora's sorrowing sister weeps, A mother's bleeding bosom knows no rest, A lover, by her grave sad vigils keeps, And clasps the marble to his aching breast.

Oft have her gayer hours thy praises sung,

Tears from the coldest hearts her fate has wrung.

And while we mark where that once envied form In the cold earth is lodg'd, to worms a prey, Hark! a faint voice along the midnight storm Comes from her narrow house, and seems to say

"In beauty's earliest bloom, by Death o'erthrown, "Life's fairy, flatt'ring prospect full in view "Youth's blossom wither'd ere the flow'r was blown "Sudden I bade the world's vain joys adieu!

"Ah! trust to one whom Heav'n itself has taught, "Vain, vain is beauty, and its fading joy; "And vainer they, who by its witchcraft caught, "Fix their fond fancy on the worthless toy.

"Behold you' nymph in conscious charms so vain, "Who smiles ahke on all the flatt'ring throng, "The praise of fools is all she strives to gain, "For this she leads the dance, and strains the song

"Tis not the smile serene of wit and sense "That in her studied glance and dimple dwells, "But the loud laugh at decency's expense, "Without a cause her giddy bosom swells.

"The sigh sincere of faithful love she slights, "No spark of gen'rous friendship fires her breast, "There levity each finer feeling blights, "And bids her live-unblessing, and unblest.

"But Folly's gaudy Summer soon shall end, "Time's wint'ry blast her fruitless flow'rs shall shed;

"Nor shall she find a lover or a friend "To court her living, or to weep her dead.

"While the soft maid within whose bosom lives "The soul of friendship, and of love sincere, "Shall prove those joys which only virtue gives, "And taste that bliss for which Heav'n form'd her

"The tender friend whose woes she kindly mourn'd, "Shall weep her loss, when life's gay scenes are flown,

"The manly breast, whose love she fond return'd, "Shall heave those sighs to passion due alone.

"And when with me a dwelling she shall have, "On each sad heart she leaves, with grief opprest, "Fond mem'ry shall her epitaph engrave, "And fix her name in every virtuous breast."

SPORTING OLIO.



(From the Petersburg Intelligencer.) ANNALS OF THE TURF-No. VIII. The Origin and Progressive Improvement of the Race Horse.

It cannot but be an interesting task to inquire the means by which he has been brought to his present high state of perfection. ginal species may fairly be derived all those nume-

blood horse, are bred under warm and southern their gallop great striders. skies, upon a dry soil, on the hills of the desert. The hypothesis is entertained, that Arabia is the were said to be handsome, elegantly formed, full native or breeding country of the Courser, and that of spirit, possessing fine hair, soft skins, good speed, part of Europe, formerly denominated the Nether-but more particularly remarkable for their unfaillands, or Low Countries, the original soil of the ing wind, enabling them to undergo much labour large draught horse. Other writers, however, con- and fatigue. tend, that all horses are derived from the same single primitive species, and that varieties are purely accidental, and the effects of varying soil and cli-particular individuals, have proved valuable foal mate. This opinion, however specious, is not sanc- getters, and that these properties should be denied tioned by facts and experience; in allowing full to the generality of them, and that the whole of force to the arguments derived from the effect of them should so soon be laid aside. Out of the vast soil and climate, yet it is equally true there are cer- number of those foreign horses imported into Engtain landmarks and boundaries of specific charac-land in carly times, but very few of them establishter, in both the animal and vegetable creation, cd their characters as the propagators of high which nature will never permit to be passed.

marshy soil of Belgium, it may safely be pronounc- tary Arabian, Barb, or Turkish stallion has been ed, would be sufficient to transform the high bred, used in England; or if used at all, were found to silken and bounding Courser of Arabia, into the be utterly worthless. coarse, bluff and fixed horse of the former country; England soon discovered that from her fine climate nor would the sojournment of the latter, during and snil, she had obtained in size. form and speed, any number of ages, in the south, have the effect every quality which the best models of the original of endowing him with these peculiar properties of foreign breeding countries could afford to her, it is body, which distinguish the aboriginal southern true she had to resort to the Arabians and Barbs horse. The interchange just supposed, would no for a foundation; but as soon as the stock arising doubt have the effect of increasing the bulk of the from them had been sufficiently acclimated and difcourser, and reducing that of the draft horse; but fused through the country, she found it safest to the natural characteristics of each, would remain rely upon them for all those qualities which they unassailable by any other medium than that of in- themselves had acquired from their foreign protercopulation, through which we know from expe-genitors. rience they may be merged, and in effect annihilated.

country of the purest and highest bred racers-that speed, stoutness and stride from the Barb, length is to say, possessed in the highest degree of those and height from the Turks. qualities which distinguish the species; and these

It is in the mountainous country, among the Bedouin Arabs, that the blood and characteristic properties of this species of the horse has been preserved pure and uncontaminated by any alien mix-

originally bred from the Arabian, Barb, and Turkinto the origin of the turf horse, and to ascertain ish stocks, and contains in his veins nearly an equal hind; about fifteen hands high, with good bone and admixture of the blood of each. The Barbary substance. The fame of the Godolphin Arabian The English horses were generally smaller than the Arabians, wis greatly increased by the famous picture which writers maintain the theory, that the horse genus but carried more depth of carcase. Their most was taken of him by the immortal Stubbs, and was supposed to have consisted originally of two prominent points are, ears handsome and well which sold at his sale for 246 guineas. This porgrand divisions or species: the silken-haired, flat, placed; forehand fine and long, and rising boldly that of the Godolphin is doubtless an admirable and fine boned courser, and the full bodied, coarse, out of the withers; mane and tail thinly haired, piece; it represents his crest as exceedingly large, and rough-haired steed, adapted to draught and with lean small head; withers fine and high, loins swelling, and elevated, his neck elegantly curved the more laborious purposes. From these two orishort and straight, tlanks and ribs round and full, at the setting on of the head, and his muzzle very with good sized barrel; tail placed high; haunches firc. He had considerable length; his capacious rous varieties which we at this day witness in dif-ferent parts of the world. Soil and climate must since detached from the shank; pastern too long of every part materially contributary to action, naundoubtedly have considerable effects, through a and binding; foot good and sound; of all colours, three had allowed him an ample measure; add to long course of ages, in producing varieties of form, but grey the most common. They are bred upon a this, there is in his whole appearance, the express colour, character, and properties. The largest similar soil, and sprung from the desert like the large of a wild animal, such as we may suppose horses are generally found to be the production of Arabians, of which they are generally deemed a the horse of the desert. Certainly the horse was the rich lowlands of temperate climates, abounding variety. In goodness of tempera and docility these no beauty; but with his peculiar and interesting

in rich and succulent food. The fine skinned, with horses resemble the former, and are said to be very elegant symmetry, dry and solid bones, large ten- sure-footed; generally cold tempered and slow, redons, and the highest degree of muscular energy, quiring to be roused and animated, on which they in fact, bearing the general characteristics of the will discover great vigour, wind and speed, being in

The Turkish horses resembled the Barbs, and

It is a curious physical question, that the Arabian, Barb, and Turkish horses, should, only in No length of time or naturalization upon the that for more than half a century past, not a soli-

The early English breeders found the Arabian stock to constitute an excellent cross upon the Barb Arabia Deserta is allowed to be the breeding and Turk, as from the Arabian blood was acquired

But of all the foreign stallions imported into are sleekness and flexibility of the skin, and gene- England in early times, the fame of the two great ral symmetry, from the head to the lower extremi- Arabians, the Darley and Godolphin, has swallow-The eye full and shining, the head joined, ed up that of all the rest; and the best English not abruptly, but to a curved extremity of the neck; horses for nearly a century past, have been either the shoulders capacious, deep or counter, and de-deeply imbued with their blood, or entirely derived clining considerably into the waist; the quarters from it. They have produced stock of vast size, deep, and the fore arms and thighs long, large and bone and substance, and at the same time endowed muscular, with a considerable curve of the latter; with such extraordinary and before unheard of the legs flat and clean, with the tendon or sinew powers of speed and continuance, as to render it large and distinct; the pasterns moderately long, probable that individuals of them have reached nathe feet somewhat deep, the substance of the hoof ture's ultimate point of perfection. The descen-fine, like that of the deer; in size not large, seldom dants of these Arabians have rendered the English exceeding or reaching the height of fifteen hands. where indeed he has long excelled, but as breeding stock.

To such of my readers as are unacquainted with the history of that justly celebrated horse, the Goture or cross, as they pretend, for more than two dolphin Arabian, the following particulars of him thousand years. It is well known, that the English race horse was brown bay, somewhat mottled on the buttocks and crest, but with no white excepting the off heel be-

figure before me, I cannot help wondering, that it with a lancet on the prominent part; but if hard- without touching the herb, the liquor impregnated sportsman as he was, that the Arabian might be itself. After the tumour is emptied, care should be into another vat placed for that purpose, so as to be worthy of a trial as a stallion. This horse was imported by Mr. Coke into England, and it was strong-will be much more difficult to heal. ly suspected that he was stolen, as no pedigree was obtained with him, or the least item given, as to the country where he was bred; the only notice relieve him. given, was, that he was foaled in 1724. Mr. Coke gave him to Mr. Williams, keeper of the St. James' coffee house, who presented him to the Earl of Go- with few diseases if properly dieted and exercised. dolphia. In this noble Lord's stud he was kept as Dogs kept in towns are much more subject to disa teazer to Hobgoblin, during the years 1730 and orders, than such as are kept in the country. Con-173t, when, that stallion refusing to cover Roxana. finement is always injurious to dogs. she was covered by the Arabian, the produce of which was Lath, not only a very clegant and beautiful horse, but, in the general opinion, the best which had appeared on the turf since Flying Childers. The Arabian served for the remainder of his rial ointment. life in the same stud, producing a yearly succession of prodigies of the species. He died in 1753, in his 29th year, and was decently buried, and cakes and ale were given at the funeral of his flesh. The following famous horses, some of which were of great size and powers, beside many others, with a great number of capital racing and brood mares, descended from the Godolphin Arabian, viz: Lath, Cade, Regulus, Babram, Blank, Dismal, Bajazet, Tamerlane, Tarquin, Phœnix, Slug, Blossoni, Dormouse, Skewball, Sultan, Old England, Noble, the Gower Stallion, Godolphin Colt, Cripple, Entrance.

Mr. Darley, of a sporting family in Yorkshire, being a mercantile agent in the Levant, and belong ing to a hunting club at Aleppo, made interest to purchase a horse, one of the most valuable ever imported into England, and which fully established seeds. the worth of the Arabian stock. He was a bay horse, his near foot before, with his two hind feet white, with a blaze in his face, and about fifteen hands high; he was imported into England in the whose lobes are blunt and oval.

year 1703, then four years of age. The Darley Arabian, (for such he was called,) got Flying Childers, Bartlett's Childers, Almanzor, Whitelegs, Cupid, Brisk, Dædalus, Skipjack, Manica. Aleppo, Bully Rock, Whistlejacket, Dart, &c. This torse had not that variety of mares which annually poured in upon the Godolphin Arabian; indeed he covered very few except those of Mr. Darley, his proprietor-but from those sprung the largest and the speediest race horses which were ever known. Flying Childers and Eclipse, the swiftest, beyond a doubt, of all quadrupeds, were the son and great-grand son of this Arabian, from which also, through Childers and Blaze, descended Sampson, the strongest horse that ever raced before or since his time; and from Sampson was descended Bay Malton, who ran, at York, four miles in 7 minutes 43½ seconds, being 7½ seconds less brittle. than it was ever done before over the same course.

AN ADVOCATE FOR THE TURF. (To be continued.)

DISEASES OF DOGS.

INFLAMMATION.

ly shaved the hair off. If the swelling or tumour becomes larger, soft, and shining, matter is forming, when warm poultices should be applied as de-

When a dog's eyes become inflamed and assume

Dogs, however, are not very subject to inflammation; and, generally speaking, will be troubled

WHEN WOUNDED WITH SHOT.

Extract the shot if possible, and rub with a little mercurial cintment. At all events, use the mercu-

Sore FEET.

Styptic tincture; or, if this cannot be procured, salt and water.*

MISCELLANEOUS.

ON MANUFACTURING INDIGO.

(From the New York Statesman.)

Indigo, its characters are these-The flower is of the butterfly kind; the standard open, bordered and reflexed; the wings are oblong, blunt, and spread open; as is also the keel, which turns backward; in the centre is situated a cylindrical germen, which becomes a taper pod, filled with kidney shaped

The species commonly cultivated for use is the Guatimala indigo, with smooth arched pods, growing close to the branches, unequal winged leaves,

From this plant is extracted a dyer's drug of a deep blue colour. The particular account of the culture of the plant, and the preparation of the indigo, is as follows:-The ground being thoroughly cleared from weeds, a number of slaves, ranged in a line, march across, making little trenches of the width of their hoes, and two or three inches deep, about a foot distance from one another every way: then returning they drop some seed in every trench. and afterwards cover them with the earth taken out. In moist weather the plants come up in three or four days, and in about two months after, they are fit for cutting; if suffered to stand till they run into flower, cient for her own consumption, at as low a rate as the leaves become too dry and hard, and the indigo obtained from them proves less in quantity and less South America. The principal improvement made beautiful—the due point of maturity is known by by Mr. Morina, consists in the time of gathering the the leaves beginning to grow less supple, or more

In rainy seasons, the cutting may be repeated every six weeks:-cutting in dry weather kills the plants, which if that is avoided, continue to afford

fresh crops for two years.

When the plant is gathered, a large quantity is put into a vat, with so much water as is sufficient to cover it, and some wood laid above to prevent its than to the ascertaining the exact period when the Inflammation arises from various causes; but is rising above the water. The mass begins to fer-plant affords the largest portion of fine indigo. distinguished by the part affected becoming swoln, ment, sooner or later, according to the warmth of dry, and hot. A slight degree of inflammation will the weather, and the maturity of the plant-some-mer essays on the appearances which indicate a due generally subside without the aid either of medicine times in six or eight hours, and sometimes in not degree of fermentation; but as the amount and beau-or external application. Bleeding in the neck will less than twenty. The liquor grows hot, throws up ty of the product must depend, in a considerable

*It will be necessary here to observe, that what is recommended above is generally for sore feet; but the scribed under contused wounds, and the same treat-when after a hard day's shooting the dog is foot-sore, ment adopted. When the matter is completely his feet should be well washed with soap and water, which is the distriction of the same treat-when after a hard day's shooting the dog is foot-sore, ment adopted. formed, (which may be known by the fluctuation of for which warm water is, perhaps, preferable to cold; every thing else the same, on the temperature of the fluid upon a slight pressure,) if the skin is very if the skin is rubbed off, or the foot lacerated, styptic thin, a deep opening or incision should be made tineture or salt and water should be applied.

should not occur to his noble proprietor, a true ness is felt, the tumour must remain till it breaks with its tincture is let out, by cocks in the bottom.

In the second vat, the liquor is strongly and incessantly beat and agitated, with a kind of buckets ty is requisite in hitting this point; if the beating ceases too soon, a part of the tingent matter remains dissolved in the liquor, if continued a little too long, a part of that which separated is dissolved afresh. The exact time for discontinuing the process is determined by taking up some of the liquor occasionally in a little white cup, and observing whether the blue feculæ is disposed to separate and subside.

The whole being now suffered to rest till the blue matter has settled, the clear water let off by cocks in the sides at different heights, and the blue part discharged by a cock in the bottom into another vat. Here it is suffered to settle for some time longer; then further drained in cloth bags, and after the water is drained off is exposed in shallow wooden boxes to the air, sheltered from the sun, and carefully kept from the rain, till thoroughly dry.

It is further to be observed that the goodness of the indigo depends greatly on the age of the plantthat before it has grown fully ripe, the quantity it yields is less, but the colour proportionably more beautiful: that probably the secret of those whose indigo has been most esteemed, is no other than cutting the plant at the time when it yields the finest colour; and it is recommended to the more curious only to use the leaves.

It appears from the processes I have given that the makers of indigo differ in the time of gathering the plant. Mr. Dalrymple directs it to be cut when "in full flower," and the last account says, "if they are suffered to stand till they run into flower, the leaves become too dry and hard, and the indigo obtained from them proves less in quantity and less

beautiful."

The British government during the late continental war, by attempting to deprive France of indigo, caused them to obtain a supply from the woad plant. Soon as peace was obtained, this manufacture was resigned by them as too tedious and expensive. Lately such improvement has been made in the process, by Mr. Morina, an Italian, by which so much larger a quantity is obtained, and of such superior quality, as to make it probable that Europe in a few years, will be able to supply indigo suffiit can be supplied from the East Indies, or from plant. Instead of leaving the leaves to become fully ripe before gathering, as was the former practice he has them gathered in a full green state. If this makes so great a difference in the quantity and quality of the tingent matter obtained from the woad plant, a similar effect must result from the state in which the indigo plant is gathered, and the manufacturer cannot devote his time to better advantage

Sufficient directions have been given in the foror external application. Bleeding in the neck will less than twenty. The liquor grows hot, throws up ty of the product must depend, in a considerable frequently remove an inflammation; or the application a plentiful froth, thickens by degrees, and acquires degree, on the vigour with which the fermentation tion of leeches to the affected part, having previous. a blue colour inclining to a violet-at this time, is brought on, I shall venture an opinion on this point. In working the blue vat the body and beauty of the colour is ever in the ratio of the strength of the fermentation. When the fermentation is weak, the colour also is weak and dull. The vigour with which the fermentation progresses will depend,

does not necessarily follow that the same degree rived from that source. In making this allusion, would be best for the indigo plant, but the forego- however, to a particular neighbourhood, I beg not ing facts prove, that the more vigorous the fermento be understond as attaching a greater degree of tation is, the more beautiful and more abundant censure to it, than falls to the share of all that porwill be the product, and that some given tempera- tion of the agricultural community who profess an ture will produce the most vigorous fermentation.

degree of oxidizement necessary for the colouring of that object. Now I am not disposed to think feculæ; but as this part of the workmanship has that there is any real abatement of interest in the been found highly injurious to the health of the community upon this all important and vital subslaves working at it, I shall offer a plan of avoiding ject, but rather attribute the falling off at our last its deleterious effect. The present mode is to beat it, or dip the liquor from the back with buckets on affairs, which tends to a state of rest, if not to a the end of poles, and letting it run out again, in the retrograde movement, whenever the stimulus or most efficient way by which it can be exposed to propelling power is removed or ceases to operate. the action of the atmosphere. This is done to en- And as in our association, you are certainly the able its tingent matter to absorb oxygen. So great primum mobile, I very much fear, unless you give is the absorption of vital air during this process that us now and then a fresh impulse, that we shall yield a candle will not burn near the surface of the liquor, to this sluggish propensity of our nature. and this deoxidized atmosphere being breathed by the slaves, produces disease and death. General mode of applying this force. Neither coaxing nor Wade Hampton informed me by letter, some years scolding will answer, it is clear; for you have resince, that he had declined the manufacture of in-sorted to both in vain, accompanying the former digo principally on this account. If an inclined with all the arts of persuasion, and the latter with wheel were placed twenty or thirty feet from the back, having an horizontal shaft working from it done? In meditating upon this subject, a scheme which should run across and over the back, to which has suggested itself to my mind, which I cannot were attached a machine for lifting the liquor, after the manner of the elevator in grain mills, the whole might be set in motion by the slaves working on the ed amongst the members of this Society, by which inclined wheel, or by horses or hogs being placed each signer of the instrument should bind himself on it. Some such plan as this would take the work- to exhibit at least one quadruped besides the biped, men beyond the reach of the deleterious atmosphere, which is exhibited as a matter of course. But jestand thereby remove one of the greatest objections ing apart, suppose you were to draw up, and endeato the introduction into this country of the manu- your at all seasonable opportunities to procure subfacture of indigo.

To succeed in introducing American made indigo, it will be necessary to put it in the hands of some importance, and sincerely desirous of promoting person for sale, who is acquainted with the consumable value of the article. It is now thrown into the market at random, and is often bought and sold next Exhibition one or more objects, each, to comby those who know nothing of its intrinsic value, pete for the premiums then offered. nor by what means its strength may be developed by the manufacturer, or dyer. 'The prejudice against strong heavy Guatimalas was nearly as great two years since among our consumers, as it is now against that made in the Mississippi and Carolina. This prejudice has been partially removed by the writer of this article, and many of our dyers are now able to appreciate the value of the strong Guatimalas. Different qualities of indigo require different processes to prepare them for dying. The strongest indigo I ever used in England was made in South Carolina, and I have no doubt, should some of our southern planters turn their attention seriously to the manufacturing of indigo that it might be brought into use, and its intrinsic value properly appreci-HOPSON. ated.

BALTIMORE, FRIDAY, AUGUST 4, 1826.

TO THE EDITOR OF THE AMERICAN FARMER.

Dear Sir,-I perceived at the last meeting of our Society, that you were chagrined, and justly so, at the apathy, if not the absolute defection of many of our hitherto most prominent and useful members. This, it is true, was manifested, not so much in On Smut in Wheat—On Liming Seed Wheat—Essa withdrawing themselves from the public view, as in on the management of Orchards—On Turnps— maly This, it is true, was manifested, not so much in withholding the important aid which they might have afforded by contributing to the Exhibition of

tation of the woad vat is from 125° to 130° Fah. It yet I believe there were not more than a dozen deinterest in its general prosperity, and a conviction It will be useless to say any thing more on the of the importance of our Society to the attainment

The great point of difficulty, however, is the scribers to such an agreement as the following:

We, the undersigned, deeply impressed with the A FARMER.

AGRICULTURAL SOCIETY.

MR SKINNER, Edisto Island, S. C. July 17, 1826.

Dear Sir,-The third anniversary meeting of the AGRICULTURAL SOCIETY OF ST. JOHN'S, COLLETON was held at this place on Wednesday, the 11th inst. After the ordinary business of the day, a highly interesting and appropriate address, replete with sound practical information, was delivered by Edward Wnaley, Esq., a copy of which was requested for publication.

The following gentlemen were elected officers o the Society for the ensning year, viz:

WILLIAM SEABROOK, SEN., President. JOHN R. MATHEWES, Vice President. Whitemarsh B. Seabrook, Cor. Secretary. DR. EDWARD MITCHELL, Rec. Sceretary. EDWARD WHALEY. WM. SEABROOK, JUN., Committee of In-CATO A. BECKETT, spection: EPHRAIM M. BAYNARD, Col. Joseph Whaley,

Very respectfully, your obed't serv't, WHITEMARSH B. SEABROOK, Cor. Sec. of Ag. Soc. St. John's, Colleton

CONTENTS OF THIS NUMBER.

sis of Marls-On the Fabulous Gardens of Antiquity-Perfect Plants-Method of cleaning Trees from worms of Baltimore, or at all events the circumjacent ten miles square, could readily have afforded a sufficient number of choice cattle to have afforded the power of the circumjacent ten miles square, could readily have afforded a sufficient number of choice cattle to have afforded the power of the circumjacent ten miles square, could readily have afforded a sufficient number of choice cattle to have afforded the power of the circumjacent ten method to tending frees from worms, caterpillars, &c.—A Mother to her Daughter on Martine and the circumjacent tending frees from worms, caterpillars, &c.—A Mother to her Daughter on Martine and the circumjacent tending frees from worms, caterpillars, &c.—A Mother to her Daughter on Martine and the circumjacent tending frees from worms, caterpillars, &c.—A Mother to her Daughter on Martine and the circumjacent tending frees from worms, caterpillars, &c.—A Mother to her Daughter on Martine and the circumjacent tending frees from worms, caterpillars, &c.—A Mother to her Daughter on Martine and the circumjacent tending frees from worms, caterpillars, &c.—A Mother to her Daughter on Martine and the circumjacent tending frees from worms, caterpillars, &c.—A Mother to her Daughter on Martine and the circumjacent tending frees from worms, caterpillars, &c.—A Mother to her Daughter on Martine and the circumjacent tending frees from worms, and the circumstance and the eient number of choice cattle to have filled the pens, the Manufacture of Indigo—Letter to the Editor—Agriand filled them, too, with credit to the proprietors: cultural Society of St. John's, Colleton.

PRICES CURRENT.

	PRICES	UR	RE	N,	r.				
	ARTICLES.		WHO)LE	SALE.	I	RET	AlL	
	ARTICLES.	per.	fro	m	to	fro	m	to	_
i	BEEF, Battimore Prime,	bbl.	1	50	8		-		-
	BACON, and Hams,	lb.		5	9		9	1	12
	BEES-WAX, Am. yellow			31	36			Ę	60
(COFFEE, Java,		1	17			22	2	25
	Havana,			15	16			2	20
(COTTON, Louisiana, &c.			13	14				
l,	Georgia Upland,	_		11					
ľ	COTTON YARN, No. 10,		,	30					
	An advance of 1 cent each number to No. 18.			- [i				
k	CANDLES, Mould,		1.9	24	14		16		18
	Dipt,	1		ıil					14
1	CHEESE,			9	21		12		15
	FEATHERS, Live,			30			37		
	FISH, Herrings, Sus.	bbl.	2 3				-		
l.	Shad, trimmed,		7				- 1,		
	FLAXSEED, Rough,	bush		80			00		
1	FLOUR, Superfine, city,	bbl.		7월	4 50	6	00		
Ì	Fine,	-	4	00	4 125				
١	Susquehanna, superfi. GUNPOWDER, Balti.	25 lb		00	9 123	5	50		
	GRAIN, Ind. corn, yellow		1	73		ľ	30		
1	white	-		78					
1	Wheat, Family Flour,		1	78	80				
1	do. Lawler, & Rcd, new	-	1	90	95				
1	do. Red, Susque	-		80	83				
-	Rye,	-	1	65	70				
1	Barley,	-	1	80					
-	Clover Seed, Red	bush		71	4 25	4	75		
1	Ruta Baga Seed,	lb.	1	75		2	00		
	Orehard Grass Seed,	bush		75		1	50		
,	Mangel Wurtzel Seed,	1	1 2	25 25		3	00		
ı	Timothy Seed,		1	53	55				
	Oats,		1	70	0.0	1	87		
1	HEMP, Russia, clean,	ton	215		220				
i	Do. Country	_	120		130				
1		lb.		15			25		
	HOPS, HOGS' LARD,	1-		7	8	1	12		
ł	LEAD, Pig	119		67					
9	Bar	-		8	81		0.0		
ł	LEATHER, Soal, best,		1	22	28		62		ter ar
	MOLASSES, sugar-house	1		46 32	34		62 <u>4</u> 374		75
	Havana, 1st qual NAILS, 6a20d	Ib.		61			9		
	NAVAL STORES, Tar,	bbl		50	1 624	یا			
		_	2	-	1	-			
_	Turpentine, Soft,	-	1	75			-		
9.	OIL. Whale, common	gal		27		1	40		
,	Spermaceti, winter .	-		70			88		
t.	PORK, Baltimore Mess.	, bbl			72 00				
-	do. Prime,	1-		CU					
h	in the same of the		1. 3 8		4 00				
•	ground,	bbi		53			5		6
-	RICE, fresh, SDAP, Baltimore White	15		72	14		18		20
,		, lb.		51			8		12
ĺ	Brown and yellow WHISKEY, 1st proof, .	gal		31	82		38		50
	REACH BRANDY, 4th p			75			25		
	APPLE BRANDY, 1st p	r		36	1		50		
	SUGARS, Havana White	, c.ib			13	15		16	
	do. Brown,	-	8	50					
	Louisiana,	-	7	50			00	11	0.0
	Loaf,	lb.		19			20		23
	SPICES, Cloves,	-		70		1	12		
	Ginger, Ground,			17		1	25		
	Pepper,	bus	h	43			75		
	SALT, St. Ubes,	Jous -	**	45			75		
	HOT, Balt. all sizes.	ew	1. 9	00					
	WINES, Madeira, L. P.	gal		50				4	
ı,	do. Sieily,	5	1	15		0 2	00		
-	Lisbon,	-	. 1	15		$0 \mid 1$			75
	Claret,	do			8	5	00	9	00
3.0	Port, first quality	gal		65			50		
y	WOOL, Merino, full bl'			30			uny	wast	hed
_	do. Crossed,	1-		20					e of
ì,	Common, Country, .	-		15			tag		
,	Skinners' or Pulled, .	1 -	- 1	20)! 2	J. J			
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S	Printed every Friday, a	t \$5	per	an	num,	for	10	HN	S.

SKINNER, Editor, by John D. Tov, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

ON SMUT IN WHEAT.

(From the Memoirs of the Philadelphia Agrcultural Society.)

Remarks on an article in the last number of the American Farmer, by Wm Young-with additional

By JAMES MEASE, M. D.

From the first fact mentioned by Mr. Young, viz. that the smutty wheat he raised, was part of a kind which had been sown for several years upon the same ground, an apparent confirmation may seem to be given to the commonly received opinion, of the necessity of a change of seed in order to prevent disease and degeneracy; but the experience of the accurate Mr. Cooper, of New Jersey, and other facts on this subject, will not permit its adoption. That industrious improver has found, that the seeds of his vegetable productions improve, instead of degenerating, although sown upon the same ground for various periods, viz: 20, 30, 45 years. His account being before the public, need not be dwelt on at this time. Mr. Bakewell, the celebrated improver of the breed of cattle in England, disproved the position of the necessity of crossing breeds merely for the sake of a cross, and hence constantly bred in and in, from his own excellent stock, until he found one with peculiar qualities which he wished to add to those of his own stock.

The cause of smut in Mr. Young's wheat must still be sought for, but what that cause is, pay not be easily ascertained. The disease has povailed to a great degree within a few years in Britan, and has been frequently investigated by the phipsophi cal and practical agriculturists of that county, and to their remarks I shall be indebted for wha I now

have to offer on the subject.

Mr. Wimpey, * is of opinion that smut isalmost entirely occasioned by some vitiating priniple in the air, a constant concomitant of wet, tormy weather. His experiments agree with those of Young in shewing, that grain which is vitated by smut, infallibly causes the produce from it to be smutty: he also proves that the cleanest; rains frequently produce smutty crops, not thstanding change of seed, steeping, and liming and adds a fact not noticed by Mr. Young, viz: tat sound seed tal: a from snutty ears, produces a clean crops as seed from grains that were perctly free from smut.

Mr. Somervillet thinks that aut is occasioned by a very small insect not visit to the naked eye, in the downy part of the gro. He ascertained the truth of this opinion, by serving some smutty balls perforated in many pres with small round holes, and by holding them car a candle, he discovered the investor vered the insects, reseming wood lice in shape.

The heat from the con ntrated rays of the sun thrown upon the balls wi a burning glass, also put them in motion, and sl-ved them in every different point of view. He sposes that when the balls are broken in the oration of threshing, or come in contact with cle healthy grains, the insects leave the smutted ains, and adhering to such as are healthy, are svn with them, and wound the tender stem in sur a manner as to render the plant incapable of procing any thing but smut. Another practical wert also ascribes the disease to an insect, which Is its eggs in the downy parts or beard of the gin, and by wounding the ear in se-

veral places, ecks its growth.

The late r John Call, entertained the same opinion as trhe cause of smut, but he adduces no

* Transacous of Bath Society of Agriculture. Commications to Board of Agriculture, vol. 2.

& Ibid.

Same ork and volume. No. 11. - vol. 8.

a practice attended by mischief in all cases except the other two persons were much infected.*

after a strict examination of the black powder smut with a microscope, he found it to consist of small most respectable farmers, the salt pickle has altransparent globules, with black specks in the midtremely minute insects; from these eggs, when they are placed in water of a certain degree of warmth, there proceeds an animalculæ of an egg-shaped lowing remarks, under the Banffshire quarterly agri-

sown, continue the evil.

Mr. Calcb Kirk, who lives near Mr. Young, sent me a specimen with the smut attached to the grains, threshed among the sound, in which order it came to his mill to be ground. He first passed it through the barley mill, and thereby removed the smut, should not be omitted." (which chiefly adheres to the downy substance at the upper end of the grain,) and then found that it produced excellent flour; whereas when ground um per acre, to insure the whole seed of England without this operation, a flour was produced of a from injury by pickling, and the crop from being dark colour, which, though it rose well, yet spread out when baken, into the form of a cake, and be- judiciously applied: came compact; and when cold, was dry and crumbly, and so hard, that a knife entered with difficulty; brought from the sea, or in common water salted, it was, moreover, without the agreeable taste of till it is strong enough to swim an egg, stirring it bread. Four bushels of infected grain yielded half frequently. Procure first unslacked lime, and when a bushel of smut!

From a paper in a French periodical work on domestic and rural economy, it appears that by wash- ly drained off, turn the wheat out of your tub, and ing and drying, smutty grain may be rendered fit to every bushel of it allow a peck of lime; sprinkle for mill, and for making wholesome bread; but to do this properly, the wheat must be stirred with a broom, and rubbed with the hands, in small quantities at a time; the foul water must be let out of the cistern, and fresh water put upon the wheat, until to every bushel of it allow a peck of lime; springle for mill, and stir the whole with a shovel till they are completely mixed, so as every grain may receive a share. When dry it is ready for sowing, but should the lime prove troublesome or dangerous fresh water put upon the wheat, until it runs off clear. If it is washed at a river or a be thrown upon it for when the lime is dry, the cure well, the basket must be plunged in several times is effected. If the wheat is meant to be drilled, sift quickly, that the grain may be washed without the lime upon it, in the first instance, and from it, being softened, to prevent the difficulty in drying, afterwards. and to avoid wrinkling the skin.

by those eminent chemists, Vauquelin and Four- to fresh, because the lime adheres more closely to croy, it appears, that it is only a "residuum of putrified farina, which instead of the constituent elements of this last, viz., starch, gluten, and saccharine matter, contains only a kind of charred oily the wheat may receive its due proportion of lime;

mal bodies.

upon steeps in preventing smut in the succeeding me most firmly in the opinion, that fresh lime is abcrop; but there are several facts on record, which solutely necessary to accomplish a cure. A very would lead us to incline strongly to the belief, that experienced and intelligent farmer having used all now be mentioned.

that a ship load of wheat was sunk near Bristol, in make use of some old lime, which had been long in autumn, and afterwards, at ebbs, all taken up; but his possession. I examined the crop along with the being unfit for the miller, it was used for seed. At the following harvest, all the wheat in England was smutty, except the produce of this brined seed.

* Gentleman's Magazine, 1764, p. 698.

† Mr. Kirk makes pearl barley equal to any imported and cheaper.
‡ Bibliotheque Phisico—Economique.

§ Appales du Museum d'Histoire Naturelle, No. 35.

experiments to support it. He adds, however, a 2. Mr. Richard P. Barton, of Frederick county, fact, which is contrary to the experience of Mr. (Va.) relates, that in 1805, some fine wheat was Wimpey, Mr. Young, Mr. Somerville, and others brought from Redstone, Pennsylvania, to his neighwhose observations have been published: it is, that bourhood, to exchange for salt; and having purthe black dust of the smutty grains, has no effect chased two bushels, he steeped it in strong salt upon the growth of sound grains though rubbed brine, and then sifted on it as much quick lime as and mixed therewith. The Rector of the parish, would adhere to it. Two of his peighbours sowed rican Farmer, by Wm Young—with additional of his statement. Giving full credit to the fact, we soil was the same, and the seeding done in good orcan only say, that being so contrary to general ob- der and in good time. Mr. Barton's crop was free servation, prudence requires that we do not follow from smut at the following harvest, but the crops of

Mr. Somerville, in the paper before quoted upon Baron Munkhausen, of Hanover,* also says, that blight, smut and mildew in wheat, says, that from his own observation, aided by the testimony of the ways prevented the crop from suffering by smut, where it has been judiciously applied, yet that un-

der certain circumstances it may be injurious.

3. In the Farmer's Magazine, we find the folform. When the wheat is threshed, these eggs cultural report:—"What wheat we have, where free stick to the tops of the sound grains, which being of smut, is of excellent quality. The advantage of pickling was apparent in a patch, where part had been pickled, and part of it not. 'The former was very little touched, while the latter was at least a in consequence of the diseased sheafs having been afth or sixth smutted. Several instances of this kind shew the utility of that preparation, and though it may not at all times be an entire preventive, it

> A writer in the same volume, t who signs J. W., and dates from Norfolk, offers for a trifling premidamaged by smut, provided the following recipe be

"Steep your wheat five or six hours in water you begin to let the water off, slack your lime with a small quantity of it; when the water is complete-

"The lime, I am persuaded, is the grand pana-From an accurate analysis of the smut of wheat, cea, and I only recommend salt water in preference the grain, when the former is used. The principal difficulty in the process lies in the mixing of the wheat and lime completely, so as every kernel of substance, very similar to that species of bitumen for unless this is carefully attended to, danger will which derives its origin from animal or vegeto-aninot be prevented; every kernel that escapes the lime, being liable to receive and propagate the For seed grain, Mr. Young places no dependence disease. I once witnessed a case, which has fixed some have a powerful influence! a few of these shall the wheat he had prepared for seed, wanted a few bushels to complete his sowing; and being at a con-1. Tull, the father of the drill husbandry relates, siderable distance from the kiln, determined to

^{*} Barton's Medical and Physical Journal. 2 Supplement.

[†]Vol. 5, p. 483, printed at Edinburg. An excellent work, which ought to be in the possession of every farmer. † Page 443.

for the sickle, and found, that where hot lime had No. 4. Washed in a ley of wood ashes, had been used, no smut prevailed, but that the crop was much hurt where cold lime had been substituted.

"Some caution is certainly necessary with regard to lime; for should it be used when not properly slacked, the great degree of heat thereby occasioned, would destroy the vegetative principle of the seed; but if applied with the precautions recommended, I am persuaded that the liming and pickling may, in some slight degree, act as a manure. I have practised the method of pickling now described for more than twenty years, and never suffered injury from smut. Once, and once only in that time, during my absence from home, and when my regular seedsman was indisposed, the process was left to an inexperienced hand, and I was a material sufferer, by his applying the lime without slacking it sufficiently."

The authority upon which the above observations and facts are given, is certainly lessened from the circumstance of its being anonymous; and yet they are in part corroborated by so many living persons, that we suffer no risk in admitting them in favour of the practice under consideration. It must, however, be remarked, that the opinion entertained respecting the lime being the chief agent in the prevention of the disease, is certainly not supported hy as many as that which attributes an equal share to the salt water.* I myself was shown, two years since, by Job Roberts, of Montgomery counly, Pennsylvania, a fine field of wheat, which fully proved the utility of steeping the seed in simple salt and water. For the sake of experiment he sowed a strip in the middle of the field, with dry unsteeped seed, and the backwardness and the want of vigour in that portion, when compared with the rest of the field, was so apparent as to call forth a remark from me. He informed me, that several of his neighbours had tried the same steep, and were so convinced of its utility, as to induce them to continue the practice.

These facts are sufficient in my opinion, to prove the benefit derived from steeping seed grain in various liquids: some caution, however, is to be observed in the process; according to Mr. Somerville, "while the grain steeped in the pickle continues in a moist state, it may be kept for any length of time without much injury; but wheat which has under gone this preparation, and has had lime in a very active state mixed with it, if sown early in autumn upon warm dry land, and no rain falls for a consi-

cannot be used with safety .- Bath Society Transactions.

EXPERIMENTS WITH STEEP.

(From Young's Annals.)

December 7, 1787 .- Sowed fourteen beds with the same wheat seed, as black with the smut as I ever saw any.

No. 1. Sown dry, nothing done to it, had

2. Washed well in clean water, had

in lime water, had de.

* Mr. Somerville, as we have seen before, thinks that the lime is useful only to dry up the superfluous moisture, and make the grains separate and sow more readily; chalk, or whiting, will therefore, he thinks, answer equally well, without the risk attendant upon the use of lime.

† Stale urine is sometimes employed as a pickle for concur in order to its being used with safety, that it stated, that when a boy, he assisted his father to should be avoided upon all occasions.

in arsenic and salt mixture, had do. 6. Steeped in lime water four hours, had in ley four hours, had 7. do. in arsenic four hours, had do. in lime water twelve hours, had 9. do. in ley twelve hours, had 10. do. in arsenic twelve hours, had 11. do. in lime water 24 hours, had do. 12.

EXPERIMENTS IN PLANTING CHEST-NUTS, FOR FENCING TIMBER.

(By Ira Hopkins, of Cayuga.) (From the Memoirs of the Board of Agriculture of the State of New York.)

in ley twenty-four hours, had

in arsenic 24 hours, had

To JESSE BUEL, ESQ.,

do.

do.

13.

14.

Sir,-In compliance with the request in your circular, I send you a detail of experiments which

have made in planting chestnuts.

I live in a country where fencing materials are likely to become very scarce, at no great distance of time, as we have no waste land unfit for cultivaplanted them four feet apart each way; but not one of the seed came up.

Determined to persevere, in the fall of 1822, I obtained about the same quantity of nuts, and immediately planted them about four feet apart, as before, and covered them superficially with leaves and light earth. Most of them came up, and they

appear to grow well.

I am of opinion, that if farmers would take a little pains in this way, they might, at a trifling expense, have a growth of timber coming on to supold forests have disappeared. As chestnut will sprout from the stump and grow rapidly. I am told that it will do to cut off every twenty-five or thirty

derable time, a great proportion of the grain will been planted by man; and hundreds of acres are or vegetable more, and that have already begun to vebe either entirely destroyed, or materially injured." annually appropriated to new plantations, to supply getate."—EDITO be either entirely destroyed, or materially injured." annually appropriated to new plantations, to supply Mr. Wagstafle found that soaking and rinsing the waste constantly making for the use of the arts Mr. Wagstaffe found that south as the pre-the grain in simple water, was effectual in the pre-the grain in simple water, was effectual in the pre-country, where the lands are all capable of improve-country, where the lands are all capable of improveand for fuel. In many fertile districts of our own plan may therefore be tried, where the salt pickle ment, a scarcity of timber will soon be experienced, if it does not already exist. The man, therefore, who teaches by example how to raise plantations of timber, does a service not only to posterity, but to

> and locust are pre-eliment among our harve trees, and though the oak must ultimately be resorted to, for the purpose. But why should wood the atmosphere with poison, because vegetably will absorb a portion of it? Countries kept dan by endless forests, premature destruction by the insect which preys though abounding in the utmodegree with these 43 upon the wood. The glutinous species (Robina absorbents of atmospherical miana, are peculiarly glutinosa,) is similar in growth, habit and wood, to unwholesome; and first settlers unxceptionably be-

dence of the luxuriant growth of the chestnut, and equivalent to a reliance upon the eaks of carrion of its power of reproducing a new growth during for its purification, if shambles were aextensive as the natural decay of the old wood. Our informant bogs. After having made the air as pe as possicut down a chestnut tree, which was converted into

3t shingles, and used in covering a barn. Thirty years 28 afterwards, he cut down one of three sprouts which 12 had started from the stump of the old tree, and obtained from it shingles to replace the old ones which had been laid thirty years before on the

In the interior of Pennsylvania, extensive tracts are devoted to the growth of chestnut timber, in the vicinity of forges and other iron works; and this timber is cut off at intervals of sixteen years, and converted into charcoal.* What stronger evidence do we want of the value of this wood, or of the economy of making plantations of it in time upon

light or waste lands?

In the propagation of forest trees by seeds, the natural process by which they are produced will be our best guide. Some seeds become rancid, without great care almost as soon as they fall from the parent stock. Such is the case with the seeds of several kinds of the magnolia. The only way in which these can be preserved, we are advised by Michaux, is, as soon as they are gathered, and before the pulp which surrounds the seed is withered. to mix them with rotten wood, or with sand slightly moistened; where they are kept cool till they are committed to the ground. Others are enveloped in peck of nuts, and kept them very choice until the setting in of winter, for fear of their being destroyed by mice and other vermin. In Decamber, the them were the lapse of a year, or the violent and repeated alternations of heat and frost, to excite germination. Such are the seeds of most the them. the thorn, (cratagus.) And others again, which fall with the leaf, such as the chestnut, walnut, butternut, &c., (and we may include the seeds of stonefruit,) should never be suffered to become dry before tley are deposited in the earth. We annex Michaix's method of planting the chestnut, from his North American Sylva, vol. iii. p. 13.

"Aler the ground has been carefully loosened with the plough and harrow, lines are drawn six feet aart, in which holes about a foot in depth and in dimeter, are formed at the distance of four feet. A chestnut is placed in each corner of the holes and covered with three inches of earth. As from each hole, and only the most thriving is left. The third or fourth year, when the branches begin The experiments of Mr. Hopkins deserve to be commended. It has been observed, that three-fourths of the timber now growing in England has have been kept the cellar during the winter, in sand

RAINING.

Prejudices have a iled and will continue to astimber, does a service not only to posterity, but to help to be a service not only to posterity, but to help to cultivation makes, bogs and swamps, of the kinds best fitted for plantations, by quick will add to the insalubrity the air, because vege-growth, and spontaneous reproduction, the chestnut tables feed upon certain quities of it, unfit for animal respiration; and thus rider it purer for that glutinosa,) is similar in growth, habit and wood, to unwholesome, and most section acceptionably bethe common locust, though less hardy. It remains to be seen whether this will resist the attacks of the entire vegetable wilderness, and the a reliance for The following fact has been related to us as evilits salubrity upon the eaters of poin, would be

^{*} North American Sylva.

ble by every means in our power, the vegetable chemistry by absorption, is a means provided by providence, for its last filter; but to infer from this na-

neous productions.

Campania and some other flat and marshy disbeen made so healthy and delightful in the flourishing period of the Roman empire by draining, as to have been selected by the opulent for country retirement, and splendid palaces. The drains neg-lected by the barbarous conquerors of Italy, have never been re-established by its modern inhabitants; and the swamps and marshes have restored to these districts an uninhabitable atmosphere, by having their waters, their trees, and their verdure restored to them.

As new countries are cleared and ploughed, they est evidence for ascertaining the effects of draining number as the divisor, and the former as the diviwetter lands. If the healthiness of a country is increased by these modes of draining, it will not be eleven miles-thus:

diminished by auxiliary modes.

The connexion between draining or drying the Multiply by earth, and human subsistence, furnishes a kind of argument, neither logical nor demonstrative, and yet of conclusive force to my mind. Can it be believed that the author of creation, has committed the egregious blunder, of exposing man to the alternative of eating bad food, or of breathing had air? If not, draining whether by the sun, the phugh or cannot wreck him on the second evil.

From the great improvement made in the health of the Eastern parts of the Union, if we may trust and cleared and drained some acres of springy swamp, closely covered with samp wood, lying four or five hundred yards sour of the house. The multitude of springs in this swimp, made deep, cendry meadow. Perhaps n attachment to a theory may have caused me trimagine, that the improvement in the healthines of my family and the draining improvements, he kept pace with each other; but I am under no delusion in asserting, that the healthiness of no art of the world, according to the tables of mortality which I have seen, has equalled it.

A very large proportion of the country on the Easmarshes. The fist is chiefly cleared and exhaustall generate poson for want of proper draining by the plough, b ditches, and by dams, instead of probeast, of an other part of the country, without infecting the air.

The swimps, bogs and marshes, constitute one of our best esources for recovering the exhausted high lands, a furnishing employment for labour, and funds or manure; to the farmer they offer a cer- from its envelopes, and converted into a plant. This wise the vital principle is totally destroyed.

exhausted lands, they ought to excite an ardour the circumstances in which it is placed with regard which will presently leave behind the few and plain to surrounding substances, remarks which I shall make upon the subject; or at tural operation, that our efforts to render it purer least to awaken great districts of country to the that the seed must have reached maturity. Unrips by draining are pernicious, would be an equivalent facts, that their best lands, those capable of yieldinference to the idea, that the cultivation of the ing the most profit, if not those, only capable of earth is pernicious because it is capable of sponta- yielding any or much profit; lands able to support which germination depends. There are some seeds, lie wholly useless; except it may be useful to kill in the very seed-vessel, even before the fruit is ripe, people who are employed in killing land, and thus shelter the survivers in some measure against the Such are those of the Tangckolli of Adanson, and tricts of Italy, are recorded in history as having people who are employed in killing land, and thus evils of penury.

> CALCULATION OF THE GROUND GONE OVER IN PLOUGHING AN ACRE OF LAND.

(From Dickson's Agricultural Magazine.)

An acre of land (vide Hutton's Arithmetic, p. 18,) contains four thousand eight hundred and forty square yards; which being cut into four parts, namely, by slices of nine inches each, would give nine-

4840 square yards in an acre.

4 slices in the breadth of each yard.

1760) 19360(11 miles.

1760

1760

1760

Here we have no less than eleven miles, without the spade, being indispensable to avoid the first considering the turns at the headlands; if we add them, the following augmentation of measure will or seeds sown by the farmer or gardener as being arise from the most moderate calculation.

and with the plough; I long since concluded, that sand three hundred and sixty yards, will give near-this improvement would be vastly extended by re-Let us take the average stretch, or length of fursorting to every other species of draining And hav- half hreadth of each ridge, being taken at two yards, ing removed some years past to a farm reported to and allowing the plough to shoot two more beyond be extremely liable to bilious fevers, threw several small streams into deep ditches, sied a wet road six yards in all, at each headland; that multiplied by leading to the house, by open or covered drains, ninety-seven, will give five hundred and eighty-two, or about the third of a mile, merely for the ground which the plough itself goes over.

If we consider the great sweeps which long teams and bad drivers make at the ends of the land, we

HORTICULTURE.

SCIENCE OF GARDENING.

(From Loudon's Encyclopedia of Gardening.)

FUNCTIONS OF VEGETABLES.

This subject necessarily involves the several foltern waters consits of level land, swamps, bogs and lowing topics: Germination; nutriment; digestion; growth and development of parts; anomalies of veed; the two las are chiefly in a natural state; and getable development; sexuality of vegetables; impregnation of the vegetable germe; changes consequent upon impregnation; propagation and disperducing the ribest crops of every kind for man and sion of the species; causes limiting the dispersion of the species; evidence and character of vegetable vitality.

Germination of the Sced.

tainty of profit, in exchange for the frequency of loss; and to the worn out land, an intermission of its tortures, and a cure for its wounds.

If the bounties of draining include an improvement in salubrity, in subsistence, in proft, and of

The first condition necessary to germination is, seeds seldom germinate, because their parts are not ret prepared to form the chemical combinations on more people than those at present under culture, however, whose germination is said to commence Agave vivipara of East Florida, as well as of the Cyamus Nelumbo of Sir J. E. Smith, or Sacred Bean of India; to which may be added the seeds of the common garden radish, pea, lemon, &c. But these are examples of rare occurrence; though it is sometimes necessary to sow or plant the seed almost as soon as it is fully ripe, as in the case of the coffeebean; which will not germinate unless it is sown within five or six weeks after it has been gathered. But most seeds, if guarded from external injury, As new countries are cheared and photography, they become more healthy. The draining effects of these teen thousand three hundred and sixty yards. Now, two operations exceed those of any other, and by there being one thousand seven hundred and sixty will retain their germinating faculty for a period of the experion of the earth very extensively, furnish the strong-drying the earth very extensively, furnish the strongas well as by the deep ploughing up of fields that have been long left without cultivation. A field that was thus ploughed up near Dunkeld, in Scotland, after a period of forty years' rest, yielded a considerable blade of black oats without sowing: it could have been only by the plough's bringing up to the surface, seeds that had been formerly too deeply lodged for germination.

The second condition is, that the seed sown must be defended from the action of the rays of light.
This has no doubt been long known to be a necessary condition of germination, if we regard the practice of the harrowing or raking in of the grains

founded upon it.

A third condition necessary to germination, is the access of heat. No seed has ever been known to germinate at or below the freezing point. Hence seeds do not germinate in winter, even though lodged in their proper soil. But the vital principle is not necessarily destroyed in consequence of this exposure; for the seed will germinate still, on the return of spring, when the ground has been again thawed, and the temperature raised to the proper degree. But this degree varies considerably in different species of seeds, as is obvious from observ-ing the times of their germination, whether in the same or in different climates. For if seeds which natral and double lateral ditche, entering into it every should begin upon an endless computation! I have six yards, necessary throughout the ground. The labour was great but the jet thicket is now a clean breadth as the overlap at every bout. at different periods; the temperature necessary to their germination must of consequence be different. Now these cases are constantly occurring and presenting themselves to our notice; and have also been made the subject of particular observation. Adanson found that seeds which will germinate in the space of twelve hours in an ordinary degree of heat, may be made to germinate in the space of three hours by exposing them to a greater degree of heat; and that seeds transported from the climate of Paris to that of Senegal, have their periods of germination accelerated from one to three days. (Familles des Plantes, vol. i. p. 84.) Upon the same principle, seeds transported from a warmer to a colder climate, have their period of germination protracted till the temperature of the latter is raised to that of the former. This is well exemplified in the case of green house and hot house plants-Germination is that act or operation of the vege- from which it is also obvious that the temperature tative principle by which the embryo is extricated must not be raised boyond a certain degree, other-

mer or gardener, immediately after he has suwn stem, if the species is furnished with a stem, and his seeds; and if no rain falls, recourse must be had the plant is complete. Whatever way the seed may if possible, to artificial watering. But the quantity be deposited, the invincible tendency of the radicle of watering applied is not a matter of indifference. is to descend and fix itself in the earth; and of the There may be too little, or there may be too much. plumelet to ascend into the air. Many conjectures if there is too little, the seed dies for the want of have been offered to account for this. Knight acmoisture; if there is too much, it then rots. The counts for it on the old but revived principle of gra-case is not the same, however, with all seeds. Some vitation. Keith conjectures that it takes place from There is a case is not the same, however, with all seeds. Some can bear but little moisture, though others will gere minute even when partially immersed; as was proved by an experiment of Du Hamel's, at least in the case of peas, which he placed merely upon a piece that it takes place from the relief in the relief in the conjectures that it takes place from the persevering labours of our industrious vine-dressers will be liberally rewarded this season by an experiment of Du Hamel's, at least in the case of peas, which he placed merely upon a piece that it takes place from the persevering labours of our industrious vine-dressers will be liberally rewarded this season by an abundant vintage. It is not a little astonishing the acquisition of nutriment and consequent deveof wet sponge, so as to immerse them by nearly lopment of its parts.

The one half, and which germinated as if placed in The chemical phenomena of germination consist profitable branches of industry, and leaving off their the soil. But this was found to be the most they chiefly in the changes that are effected in the nuthe soil. But this was found to be the most they chiefly in the changes that are elected in the hard could bear; for when totally immersed in the water triment destined for the support and development be, while they are sending year after year to a glutted market, immense quantities of bread stuffs and will germinate even when wholly submersed. The nutriment either passes through the cotyledous, or

of lettuce seed into the receiver of an air pump, which he then exhausted. The seeds did not germinate. But they germinated upon the re-admission of the air, which is thus proved by consequence ed as the repository of food, and the cotyledon or to be necessary to their germination. Achard provesses the repository of food, and the conveyance. But their germination. Achard provesses the repository of food, and the conveyance. But their germination. They have made more or conveyance are conveyance are conveyance. ed that no seed will germinate in nitrogen gas, or food thus contained in the albumen or cotyledons is less wine every year, which they have sold at prices carbonic acid gas, or hydrogen gas, except when mixed with a certain proportion of oxygen gas; and embryo. Some previous preparation is necessary; fifty cents to two dollars the gallon, by the barrel; the germination of all seeds, and the only constitu-ent part of the atmospheric air which is absolutely necessary. Humboldt found that the process of placed in the earth is immediately absorbed by the intervention of placed in the earth is immediately absorbed by the more liberally than any other culture in vogue in necessary. Humboldt found that the process of placed in the earth is immediately absorbed by the germination is accelerated by means of previously steeping the seed in water impregnated with oxymuriatic acid. Cress seed treated in this manner, chemical change, dissolving part of the farina, or mixing with their oily particles, and forming a sort of germination is not less than thiroff mixing with their oily particles, and forming a sort of germination is not less than thiroff mixing with their oily particles, and forming a sort of germination is not less than thiroff mixing with their oily particles, and forming a sort of germination is not less than thiroff mixing with their oily particles, and forming a sort of germination is not less than thiroff mixing with their oily particles, and forming a sort of germination is not less than thiroff mixing with their oily particles, and forming a sort of germination is not less than thiroff mixing with their oily particles, and forming a sort of germination is not less than thiroff mixing with their oily particles, and forming a sort of germination is not less than thiroff mixing with their oily particles, and forming a sort of germination is not less than thiroff mixing with their oily particles, and forming a sort of germination is not less than thiroff mixing with their oily particles, and forming a sort of germination is not less than thiroff mixing with their oily particles, and forming a sort of the country could have done. They

Days. Wheat, Millet seed Spinage, Beans, Mustard Lettuce, Anise-seed . 4 Melon, Cucumber, Almond, Chestnut, Cress seed . . . Radish, Beet root . . 6 Rose, Hawthorn, Barley 7

Physical Phenomena.

Orache

conditions that have been just specified, the first that of converting the farma of the albumen or cofrom the prolongation of the radicle, bursting through its proper integuments, and directing its extremity downwards into the soil. The next step in the process of germinatton is the evolution of radicle gives the first indications of life, expanding facture them into who buy wheat, and get it manufactured into flour; who buy wheat, and get it manufactured into flour; and others who buy hogs and manufacture them into lard, bacon and sausages—Why buld we not have merchants who would buy grapes and manufactured into flour; the process of germinatton is the evolution of radicle gives the first indications of life, expanding facture them into wine and brandy? from between the cotyledon or cotyledons, and its capable of abstracting immediately from the soil or hitherto prevented me. I shall, however, do it in expansion in the open air. The last and conclud- atmosphere the nourishment necessary to its future some shape or other before long, if my health will ing step is the development of the rudiments of a growth.

will germinate even when wholly submersed. The nutriment ettler passes through the cotyledons, or meat of every description, produced and transportseeds of aquatics must of necessity germinate under
is contained in them; because the embryo dies
det there at an immense expense of labour, and
water; and peas have been also known to do so
under certain conditions.

Wines, brandies, silk and wool are in de-A fifth condition necessary to germination, is the access of atmospheric air. Seeds will not germinate contain the nutriment. They are to be regarded, mous amounts; and yet our country is capable of if placed in a vacuum. Ray introduced some grains hence concluded that oxygen gas is necessary to some change must be effected in its properties. which, besides the salutary effects which the use of ty-two hours.

The period necessary to complete the process of haps, by the mixture of the statch and gitten of their culties, by the mixture of the statch and gitten of the strange to relate, but few, very few of germination is not the same in all seeds, even when the cotyledons in the water which they have about their neighbours, have as yet availed themselves of some of the strategion of a quantity these corrects. all the necessary conditions have been furnished, sorbed, and indicated by the extraction of a quanti-Some species require a shorter, and others a longer ty of carbonic acid gas as well as by the smell and period. The grasses are among the number of taste of the seed. This is the cummencement of dices. The pracipal causes, however, which prethose plants whose seeds are of the most rapid gerthe process of germination, which takes place even vent many of or farmers from embarking in the mination; then perhaps cruciform plants; then leguminous plants; then labiate plants; then umbelligen gas is present, then the process stops; which ferous plants; and in the last order rosaceous plants, shows that the agency of oxygen gas is indispensawhose seeds germinate the slowest. The following ble to germination. Accordingly, when oxygen gas table indicates the periods of the germination of a is present it is gradually inhaled by the seed; and considerable variety of seeds as observed by Adanson: the farina of the cotyledons is found to have chang-Days. ed its savour. Sometimes it becomes acid, but ge-Purslain . . . 9
Cabbage . . . 10
Cabbage . . . 10
Cabbage . . . 30
Hyssop . . . 30
stance analogous to it. This is a further proof that Parsley . . . 40 or 50
a degree of fermentation has been induced; because the result is precisely the same in the process Peach . . . 1 year of the fermentation of barley when converted into malt, as known by the name of the saccharine ter-Filbert . . . 2 do. mentation; in which oxygen gas is absorbed, heat and carbonic acid evolved, and a tendency to germination indicated by the shooting of the radicle. When a seed is committed to the soil under the The effect of oxygen, therefore, in the process, is infallible symptom of germination is to be deduced tyledons into a mild and saccharine food, lit for the the cotyledon or cotyledons, unless the seed is alto-gether acotyledonous, or the cotyledons hypogean, as in the oak. The next step, in the case of seeds developing the rudiments of leaf, branch and trunk: furnished with cotyledons, is that of the extrication and, finally, the seminal leaves decay and drop off; ries before now, and ought to have done so; but the of the plumelet, or first real leaf, from within or and the embryo has been converted into a plant, ill state of my health and other circumstance have

(To be continued.)

RURAL ECONOMY.

WINES, BRANDIES, SILK AND WOOL, Recommended as congenial and profitable productions in Indiana.

Vevay, Ind., July 18, 1826.

There is a flattering prospect at this time, that culture of the vin are-first, and greatest, labouring four or five yars before reaping any benefit from their labours; nd last, the reluctance in laying out the labour an capital necessary to procure wine vessels, press an a good cellar, for a good cellar is as necessary is making good wine as a vineyard itself. This las difficulty might be obviated in neighbourhouds whre there are some practical vignerous who are provided with all the necessary appendages to vineyars; as for instance in this vicinity, every farmer with five or six miles of this place might plant and citivate from one to ten acres in vines, and sell his intage to some of those who have all the apparatus eccessary to make and keep the wine, and who could enlarge their establishment in proportion to the increase of business. In some of the wine countries of Europe, there are wine merchants who buythe grapes and make the wine; in this country we have merchants who buy wheat, and get it manufactued into flour;

In January, 1825, I issued a circular making certain inquiries on the subject of the vin. I intended to have published the result of those inqui-

admit of it.

The rearing of the silk worm will be introduced the labour is performed; for in about sixty days ceived as a favour by me. after hatching the worms, they can have raw silk to sell to the merchants; who, until there shall be silk manufactories established in this country, will find it a convenient article to make remittances to the eastward; nay, to England. From an experiment made here under my observation last season, on a small scale, (perhaps three or four hundred worms,) and another this season on about ten thousand worms, I am certain this country is admirably ealculated to produce immense quantities of silk of an excellent quality, and that too from the native mul-berry tree. In the course of those experiments the worms were confided to a little girl about ten years of age, who had never seen one before; not being attended to by her with any view to gain, the poor worms were frequently neglected; when they got to be of a certain size they were so crowded within their shelves that they were one on the top of anor ther, and very irregularly fed; yet such was their healthy and thriving condition throughout the term of their lives, that scarcely any of them have been sick or died of a premature death. The American mulberry tree, on the leaves of which these worms were fed, abounds in our forests; in many places in this county (Switzerland,) there are trees enough within a small compass, to afford leaves to produce yearly even large quantities of silk. Several persons in different parts of the county have tried small numbers of the worm; one raised about one thousand, and another about six hundred, and they all succeeded beyond their most sanguine expectations, so far as to raise the worm to maturity in a healthy and thriving condition, without loss by sickness or premature death; but, for the want of experience, some of them did not provide them with proper places to spin their balls, and thereby lost some silk. It has been asserted, that the American mulberry is not as good to produce silk as the European. If an impartial trial has not been made of the relative value of the different species of hat valuable tree in this country, it ought to be nade as soon as possible, and that variety projugated which shall prove to be the best. In the mean time our native tree ought not to be neglected, but every farmer ought to be careful to preserve every one he finds growing on his land; and, moreover, plant an orehard of them of five, ten, or twenty acres; and when the trees shall have been planted four or five years, and a building suitable to rear the silk worm shall have been erected, in, or convenient to the orchard, our farmers will find that a square yard of good silk cloth can be produced with less labour than a square yard of common seven-hundred flax linen, and that one garment of silk will out-wear four of linen. Besides, it is believed by some physicians, that silk garments are more conducive to health than any other kind.

Wool might likewise be produced in large quantities in the western country, particularly in the thick settled parts, where wolves have disappeared. But there are dogs as mischievous as wolves, and many of our farmers would rather lose a dozen or two of sheep than to have Towzer, Cæsar, or Killbuck injured; and, say they—"wool is too cheap; 25 reuts per pound for wool will not pay for the trouble of raising sheep" Yet 25 cents per pound for wool is a better price, according to the labour and capital required to produce it, than 10 cents per bushel for Indian corn, or 25 cents per bushel fur wheat, or 12 cents per pound for pork-the expeeted prices for those articles the ensuing season; or even than 2½ and 3 cents per pound for smoked

[No doubt it would succeed well; cuttings may be had in Maryland.]

LADIES' DEPARTMENT.

To Miss ----, on HER MARRIAGE. While to Hymen's gay seasons belong Light airs and the raptures of youth, O listen to one sober song! O listen, fair Stella, to truth!

Farewell to the triumphs of beauty, To the soft serenade of your bow'r, To the lover's idolatrous duty, To his vigils in midnight's still hour,

To your frowns darting amorous anguish, To your smiles chacing every care, To the pow'r of your eye's lively languish, To each glance, waking hope or despair.

Farewell to soft bards, that in heaven Dipt the pencil to pieture your praise; And blended the colours of even, With morning's gay opening rays.

They no longer, on Thames, shall proclaim you A Naiad new sprung from the flood; Or to Bushy's soft echoes, shall name you Bright Dian the Queen of the Wood.

Farewell to Love's various season. Smiling days hung with tempest and light: But welcome the reign of fair Reason, Oh! welcome securer delight.

O! welcome in Nature's own dress Purest pleasure of gentler kind; O! welcome the power to bless, And redeem fortune's wrongs on mankind.

Be a goddess indeed, while you borrow From Plenty's unlimited store, To gild the wan aspect of sorrow, To cheer the meek eye of the poor.

While your virtues shall mix with the skies, When your beauty, bright Phænix, decays: From your image new graces shall rise, And enlighten posterity's days.

Future ages shall trace every air, Every virtue deriv'd from your blood, Shall remember that Stella was fair, Shall remember that Stella was good.

MISCELLANEOUS.

CHESTER COUNTY CABINET OF NATU. RAL SCIENCE.

Officers of the Cabinet. for 1826. William Darlington, M. D. President. Hon. Isaac Darlington, Vice Presidents. William Jackson. John W. Townsend, Esq. Corresp. Sccretary. David Townsend, Esq. Rec. Sec. and Treasurer. Henry H. Van Amringe, Esq. Isaac Thomas, M D. Curators. Abraham Marshall, jr. Esq.

Address to the Chester county Cabinet of Natural Sci ence, at the organization of the Society, on the 18th of March, 1826 .- By Wm. Darlington, M. D. GENTLEMEN,

N. B. Does the Cherokee Rose succeed in Mary-peatedly been, since my appointment, by an attenin this country more rapidly than the culture of the land, so as to answer for hedging? Would it succeed tion to other, and indispensible duties,—yet it is vine, for the reason that it suits the genius of our in Indiana? If so, where could I procure a small with unfeigned pleasure that I approach the subject population better. In this business they will be box of cuttings the next season? An answer from committed to me, and attempt a hasty sketch of enabled to enjoy the fruit of their labour soon after you, or some of your correspondents, will be re- what I conceive to be the leading objects cunnected with our Association. Having long been impressed with a sense of the importance of Natural Science, in promoting the welfare, and enhancing the character of our species, - and having, for a number of years, found the cultivation of one of its branches to be a source of the purest delight of which my own mind was susceptible. - I cannot conceal the gratification which I experience, on witnessing the laudable spirit with which you have embarked in the study of Nature; and the cheering auspices under which our Society has been instituted.

It is a pleasing circumstance, amid the arduous and perplexing duties of our respective vocations. and the turmoils inseparable from our condition in society, that there is a common object to which we can all occasionally turn, as with one heart, to find relief from the ruder cares of the world-and indulge in a recreation which is calculated at once to promote our usefulness as citizens-to chasten our affections-and elevate our intellectual character as men. That object is the study of nature-an acquaintance with her various productions, founded on scientific principles, by which we may be enabled to comprehend and appreciate the wisdom of their structure, the harmony of their arrangement, the laws by which they are governed, and the properties with which they have been endowed by a bonefiernt Creator. I hesitate not to aver, that no nursuit has ever yet engaged the attention of man, more happily calculated to enlarge his mind, to wean and purify it from sordid passions and grovelling views,-or to exalt it to just conceptions of the power and goodness of the Deity, than a rational and philosophical study of the objects of Natural Science.

But it is not merely for its intellectual and moral advantages, that this science is entitled to our regard, and deserving of cultivation. A portion of it is indispensible to the success of many of our most important practical operations,-especially of those connected with agriculture, and the useful arts. We are obliged continually to draw from this fountain, much of the information which is necessary to eonstitute a decent share of intelligence in the common concerns of life: and the question so often asked,-"of what use is such knowledge to the man of business?" evinces a deplorable deficiency in those who scriously propound it. It is not pretended that it is necessary for every one to pursue the various branches of this, more than of any other science, to their minutest ramifications. That is an undertaking, interesting indeed, and often attended with important results,-but which is adapted only to the condition of persons of Icisure. Yet I contend that the elementary principles of natural knowledge are not only accessible to every man, of ordinary eapacity,-but that they are in a high degree subsidiary to all his most valuable temporal pursuits: for the principal business of this life is with the natural productions which the Creator has distributed around us-and surely it must be of some importance to us, that we should be correctly acquainted with them.

They are the subjects of all our practical operations. To comprehend their true character-to avail ourselves of their valuable properties, and obviate, or counteract their pernicious tendencies .is the very end and aim of all our labours. And what is this but a definition of the science of which I am speaking? This science has for its object all ereated products of which man can take cognizance by his senses. It comprizes a knowledge of their distinctive characters, - their relations to each other, bacon, the present price of that article at the Cincinnatti market. Yours, JOHN F. DUFOUR. Although but ill qualified for the task which you —and their capabilities to contribute to the enjoy-cinnatti market. Yours, JOHN F. DUFOUR. have assigned me,—and interrupted, as I have re-ments of life. Can it, then, be alleged that there

suggestion be listened to, in this age and country, within the pale of this society.

other instances, vanishes in a great measure as we

approach the subject.

It is true that the science has been somewhat oppressed with the technical lumber of erudite system-makers, who, in the exercise of their ingenuity, work itself would make a sorry figure. Instead of lucid order, and a language of precise and definite meaning, we should witness all the confusion and a portion of our leisure to the acquisition and produceting all his energies against one of a totally uncertainty which inevitably result from imperfect motion of natural knowledge. Our primary object views, and from the use of terms of which the significations vary with every neighbourhood. There the natural productions of the county in which we touching the immediate objects of their profession, must be method, and nomenclature, in every art and science. Every business has its idioms—every artist we may hope to possess specimens of every such has his peculiar phrases, to designate the apparatus, production; accompanied by an accurate notice of do not choose to inform themselves beyond the maand processes, of his occupation. The most illite- their localities, characters, and such other informa- nual operations of the field and the barnyard, it is rate ploughman, with all his aversion to technicalition as may be interesting. We cannot doubt the at least dee to the future good standing of their ties, talks of his Clavis, and his Swingletree, &c. willingness of our intelligent fellow citizens, gene-children, in an intelligent community, that the youths and scarcely disguises his contempt for those who rally, to aid us in the laudable undertaking; and that should have some chance to escape from the chryare ignorant of the meaning of his terms! Then surely it will not be denied that the various objects in nature should each have a significant and well defined name. To answer the purpose, it must be a arranged, and a geological exploration of the county of plants. We have all seen r

turalists had to encounter, in framing a nomenclature adapted to popular apprehension. To form a techlearning of a name should invariably be simultaneous with a practical knowledge of the object to which
it is applied. In that way, it is not only acquired
without cffort,—but the mind takes an interest in
habited our woods have gone, with the red man of
habited our black in the laysum sativum, of the
botanists:—a plant to which, in reality, the flax has
no more affinity, than it has to the Shepherd's purse,
labited our woods have gone, with the red man of
or the horse radish! Such wretched absurdities are

suit so lofty, or the occupation so humble, that it of their knowledge. What should we think of the sects-more especially those which commit such radoes not, either directly or indirectly, draw largely sagacity of a stranger, who, desirous to become ac- vages among the products of our farms, and garupon our science for the means of success? What quainted with the inhabitants of a large city, would dens, -is a most desirable object. My limits forbid useful business is so abstracted from materiality, commence his undertaking by committing to methat it has no connection with either the mineral, mory the contents of the Directory? The absurdity tions connected with these topics: but I waive the vegetable, or the animal kingdom? Shall the work rationally, and extended his personal acquaint- liar with the most of them. that natural knowledge is an uscless and frivolous ance with the citizens, he would soon feel the neacquisition? or that it is beneath the dignity of man cessity of names, and perceive the utility of the book to make himself acquainted with the works which referred to. Just so it is with the various objects God has made? I trust not. I am sure it will not in nature. It is upon similar principles that nomenthin the pale of this society.

Clature is beneficial; and it is upon the same plan who are always on the watch to take advantage of that it ought to be acquired. Nothing can be more ignorance and credulity. For want of this knowalmost unattainable, by reason of the technical dif- unfavourable to the progress of sound knowledge, almost unattainable, by reason of the technical distance of the progress of sound knowledge, the grossest imposition. They have been led, by ficulties thrown in the way by those who have treation many than the mistaken practice of suffocating the mind designing adventurers, to incur great expenses in ed of it. This is an objection which, as in many than the mistaken practice of suffocating the mind not unfrequently wander from the beaten track, proscribe it, as being amongst the frivolous and undeed humiliating to reflect on the frauds which are sometimes lose sight of practical advantages: profitable pursuits of the idle and visionary—or who become a prey to But the cvil has been magnified by those who seek find fault with the technical difficulties which pre-speculating empirics, from the sheer want of a little to palliate their own deficiencies by decrying the sent themselves at the threshold of the study. I am elementary knowledge of natural history. A destito palliate their own deficiencies by decrying the labours of the learned. Anid all the mischiefs complained of, from the projects of scientific reformers, there has resulted much good from their speculations and researches. New views have been obtained, and improved methods devised for facilitating the acquisition of knowledge. The denunciation of systems, and nomenclature, as obstacles in the highway of science, frequently springs from the want of a just conception of their value. It is admitted that they are only the implements of learning. The members of this Cabinet, I cannot but flatter my-tited that they are only the implements of learning. mitted that they are only the implements of learning, members of this Cabinet, I cannot but flatter my- tal results. Even some of the common obnoxious and not the ultimate object of our pursuit; but I apprehend that without a skilful acquaintance with Natural Science, in our county,—whence a taste farms, are unknown to many agriculturists. I have those implements, and the modes of using them, the

name, too, which has not been appropriated to any ty, an interesting chart of this region may be formed, which will exhibit at one view the character of valuable farms-who were yet so little acquainted Hence we may perceive the difficulties which na- the country, and the distribution of its mineral trea-

By forming an Herbarium, which shall contain nical language from the vernacular tongue, which specimens of all our vegetable productions, we can should be intelligible to all nations, -or even exempt not only contribute our quota towards the complefrom confusion among their own people,—was ob- tion of an American Flora, whenever some master viously impracticable. But happily, the classic stores hand shall undertake to arrange the materials,—but of antiquity presented a rich and ample fund, on we may, in the mean time, by exchanges with bowhich they might draw for the use of the whole tanists of other districts, enrich our collections, and scientific world, without the fear of exhaustion. A extend our knowledge of the plants of the U. States, nomenclature has been constructed which, doubt- with comparatively trifling labour or expense. The lief.) that our cultivated flax is often changed into a

the attainment. The moment we have a conception of the characters which identify an object, we feel the want of a name to associate with it: And thus it is, that terms and definitions, applicable to new objects, are never deemed useless, or burthen-

is no utility in such knowledge? Where is the pur | some, by those who are enlarging the boundaries | ing acquisition. An accurate knowledge of our inme to enlarge upon the many interesting considera-

> Did time permit, I could expatiate in detail upon the benefits afforded by natural science in exploding vulgar errors-expanding the mind, and fortifying it against the devices of knavish imposters. ledge, worthy citizens have often been subjected to with a mass of names and technicalities, abstracted searching for mineral treasures, in regions where a from a clear conception of the objects to which they moderate acquaintance with Geology would have belong. I have been led into these cursory remarks, taught them it was in vain to look. An ignorance in vindication of the general merits of our science, of Mineralogy has likewise led to many absurd exfrom a knowledge that there are still some who penditures in quest of the precious metals. It is in-

But there are other, and still more disreputable errors, growing out of an ignorance of the natural history of plants. We have all seen respectable men-some of them the owners and cultivators of with the laws of nature as to believe that plants are often converted, during growth, into others of a distinct kind, or genus. A farmer in this unfortunate state of mind, can of course take but little interest in procuring clean seed for sowing his fields, if the best of it is subject to such untoward pranks as that!

The vulgar error of the transmutation of wheat into bromus, or cheat, is familiar to every one. Nay, there are some so strangely credulous as to imagine, (I will not dignify the fantasy with the name of beless, appears formidable at first view; but it ought same remark may also be applied to our mineral plant, not only of a different genus, but of a remote never to be regarded as a mere mass of names. The collections.

biographical notices of those citizens of Chester, who have heretofore devoted their time and talents to the promotion of our favorite science. Although the study of nature, hitherto, has not prevailed extensively in our county, we shall find that we have abundant reason to be proud of the character and attainments of our Marshalls, our Baldwin, our Jackson, and other estimable predecessors in the walks which we have selected for our recreation and in struction. A faithful sketch of the lives and labours of those worthies,—who have left us the fruits of Godolphin Arabian; the dam of Ranter by old Crab, phin Arabian, and full sister to the celebrated horse their industry, and the example of their virtues,will be at once an appropriate tribute to the mcmory of departed merit, and an honourable evidence of the correct taste, and feelings, of an association emulous of their laudable career.

SPORTING OLIO.



(From the Petersburg Intelligencer.)

ANNALS OF THE TURF .- No. IX.

It is peculiarly pleasing to recur to those periods in Virginia, when the blooded horse held such a high place in the estimation of the people; when high, a powerful and strong-boned horse, was got ing the days of those horses and their offspring, men, the most distinguished for their wealth, their talents or patriotism, were seen vying with each bian, &c. Changeling was one of the first horses other who should import the finest blood hurses or mares from England, or raise them from those almoreland county, Va., in 1766.

It was the object of the writer in large them from those almoreland county, Va., in 1766.

11. Merry Tom, a beautiful bay, 4 feet 11 inches have they a single turf horse capable of running ble stallions and mares, from which the Virginia stocks were bred during those times.

It is proposed to resume and continue this review, hoping it will serve to animate the breeders ham, and the noblemen and gentlemen's subscripof the present day, and stimulate them to emulate tion at Cupar, in Scotland. Merry Tom stood in foreign horses of former times, many of the best their ancestors in their zeal and success in rearing

the blood horse.

A tolerably complete list of the stallions import say frum 1795 to 1810 inclusive, will also be given, with their pedigrees annexed. Such a list cannot or more of the crosses contained in this list.

Morton's Traveller, Fearnought and Medley, who contributed so much to the value of the Virginia by Wm. Evans, and stood in Surrey county, Va., in race stock, an account has already been given 1768. He did not exceed 15t hands in height. There were others that obtained much celebrity in

their day as fine foal-getters.

form, imported by the Hon. J. Taylor, scn., and Lath was landed in this country in 1768, and won to run his distance in as good time as they were in was got by Blaze, a son of Flying Childers; his that year the 50l. weight for age plate, at Newmar-former days with their high weights. dam was a daughter of old Fox. Childers was a ket, on Long Island. In 1769, he won the jockey year 1752.

was bred by William Manby, of Gloucestershire, same place. In 1771, he won the 1001, plate at combined with it that necessary union of substance

county. Va., in 1761.

very strong, was got by Mr. Panton's Crab, in Eng- the stock of horses of his day. land, out of the Duke of Somerset's favorite brood land, out of the Duke of Somerset's favorite broad mare. Othello covered in Virginia, on James' river, in 1761, and was a most capital stallion. He was got by Lord Portmore's bay horse Captain, lish race horses is, in part, to be attributed to the got Selim and the dam of Mark Anthony.

Virginia, in 1762.

foaled in 1752, was got by Babraham, one of the shire Wag for 100 guineas; and the same year best sons of the Godolphin Arabian. The dam of he beat Atrides for 100 guineas, &c. Whirligig Juniper, by the Stamford Turk, &c. Juniper co-stood to mares in Halifax county, N. C., in the vercd in Charles City, Virginia, in 1762, and was an excellent stallion. He is a remote cross in the Virginia pedigrees.

6. Ranter, a beautiful bay, 15 hands high, foaled in 1755, imported into Virginia in 1762, by William S. Wadman. He was got by Dimple, a son of the the beautiful mare of that name, got by the Gudol-

digrees.

7. Aristotle, brown bay, fifteen hands high, got by the Cullen Arabian, his dam by old Crab, &c. Aristotle was one of the finest and highest formed evinces the important fact that they did not exceed horses imported ioto Virginia in his day; he propagated a most valuable stock for the time he lived having died shortly after coming into Virginia. Hc stood at Berkeley, Charles City county, in 1764.

8. Bucephalus, brown bay, 152 hands high, foaled in 1758, was got by Sir Mathew Wetherston's

Tappahannock, Va., in 1765.

9. David, a bay horse, fifteen hands high, well blood. made, very active, and descended from the best stock in England. Stood in Virginia in 1765.

10. Dotterell, a high formed horse, 15th hands by Changeling, his dam by a son of Wynn's Ara-

some preceding numbers, to call up those periods high; he was got by Regulus, (one of the best sons four miles in good time with their former weight, to review, and give an account of the most valua- of the Godolphin Arabian.) his dam by Locust, a All their good races are now made by young horses son of Crab, his grandam by a son of Flying Childers, &c In 1762, he won 300 guineas sweepstakes at Richmond; in 1763, he won 501, at Dur-Prince George county, in 1767; he was the sire of English racers in these days, being the immediate the noted horse Smiling Tom.

12. Sterling, a fine dapple grey, foaled in 1762. ed into Virginia and North Carolina in latter times, was got by the Bellsize Arabian, (which Mr. J. stance and action, which was to be met with in for-Simpson offered 1500 guineas for,) out of Mr. Simp- mer days, has been of late years still more scarce." son's Snake mare; she was got by Snake (a son of fail to be highly interesting to the breeder and the Lister Turk,) out of the Duke of Cumberland's opinion, it may be adduced that the established sportsman, as all the blooded stocks existing at the famous mare, the dam of Cato. Sterling traces weights on the English turf in former days were in-present day in either of those states, partake of one down to the famous old mare bred by Mr. Crofts, at Raby, in Yorkshire, and sold to the Duke of Cleve-Of the famous old stallions, Jolly Roger, Janus, land. Sterling was a very fine horse, and became stance and speed, and notwithstanding the great famous as a valuable foal getter. He was owned

13. Lath, a bay horse, 15 hands 1 inch high, strong and bony, was got by Shepherd's Crab, his 1. Childers.—He was a bay horse, of beautiful dam by Lath, a son of the Godolphin Arabian, &c. lbs. Yet there is not a racer now in England able covering horse in Stafford county, Virginia, in the club purse of 100L at Philadelphia, beating the then height should not be so much attended to as obtainbest running horses in that state and from Mary-2. Justice, a chestnut horse, fifteen hands high, land. In 1770, he also won the 100l plate at the we see that from 15 to 152 hands in height, has England, and got by Regulus out of the Bolton New Market, and never was beat but once, when and action which enabled the horses in former Sweepstakes. Justice covered in Prince George he ran nut of condition. Lath was descended from times to run in such fine form and carry such high the most valuable blood in England, and contribut

(a son of young Cartouch,) his dam by the Devon- favourable circumstance of their not having started 4. Crawford, a fine dapple grey, fifteen hands shire Blacklegs, son of Flying Childers, &c. In in publick until five or six years old. This delay has high, was bred by his royal highness the Duke of April, 1769, when this fine horse was rising six the obvious favourable effect of enabling the bulk Cumberland, and got by his Arabian. Covered in years old, his owner received furfeit 1000 guineas and substance of their limbs and inferior joints to be-

5 Juniper, a fine bay, fifteen hands one inch high, 200 guineas. In October, 1770, he beat Warwick-

15. Selim. This beautiful and valuable stallion was a dark bay, a little rising fifteen hands high; was got by Othello (commonly Black and all Black,) whose sire was old Crab. The dam of Selim was -Bloody Buttocks, &c. Ranter stood in Stafford Babraham, of England. Selim was a tried and apcounty, Va., in 1763, and is an old cross in our perpoved racer, and a stallion of deserved celebrity. He stood in Virginia from the years 1770 to 1780, and propagated a valuable race of horses.

A retrospect of the older stallions of Virginia. from 15 to 151 hands in height; and yet Virginia in those days had a stock of horses equal to any in the world. They were remarkable for substance or fine stamina. This stock of horses was the immediate descendants of the best Arabian, Barb or Turkish blood which had been early imported into Enghorse Locust, his dam by old Cade-Partner, &c. land from Oriental countries, and has exhibited a Bucephalus was a very strong horse, and stood at degeneracy as to substance or stamina in proportion as it has been removed from this elder foreign

> The above stallions were the descendants of Oriental stock, as well as Janus and Fearnought, (who were the grandsons of the Godolphin Arabian.) Dur-Virginia was famed for her fine saddle horses, and their weights on the turf was 144 lbs. for aged carrying light weight, say from 90 to 103 lbs.

> The same retrospect of the English stock discloses the same facts: Lawrence remarks, that a descendants, on both sides, of Arabs, Barbs, or Turks, or their sires and dams. That union of sub-

As evidence of the correctness of Lawrence's that their horses continued to improve both in subweight of 168 lbs. they had to carry, they ran the four miles from 7 minutes 30 seconds to 7 minutes 50 seconds. From the days of Eclipse, the weights were gradually reduced, and have been brought down to 119 lbs., and on no track exceeding 133

The present rage for breeding horses to a great ing the requisite substance; and from the above list weights. The most obvious way to insure this de-3. Othello, a beautiful black, fifteen hands high, ed, in an eminent degree, to the improvement of sirable substance or stamina in our stock, is to increase the weights of the turf to the old standard, from Rapid; the same year he beat Volunteer for come strong in proportion to their weight, and their

whole tendinous system consolidated and firm. Fly whole tendinous system consolidated and firm. Fly ing Childers, Bay Bolton, Brocklesby Betty, Bonny thyology, Zoology, Geology, Mineralogy, Chemistry; Black, Buckhuater, the famous Carlisle gelding, and, indeed, Mr. Editor, he should be so informed Eclipse, and a great number of others, did not race as to make every walk he takes over his own and in public until five and six years old; and they were his neighbour's ground interesting, amusive and in racers of the highest eminence for performance and structive. I had like to have forgotten the "light heavy weight, of any on record in the English annals capital" (Botany) which sets off and adorns the (To be continued.) of the turf.

RECIPES.

TO CLEAN BLACK LACE VEILS.

These are cleaned by passing them through a warm liquor of bullock's gall and water: after which lieve. they must be rinsed in cold water; then cleaned for stiffening and finished as follows:

Take a small piece of glue, about the size of a bean, pour boiling water upon it, which will dissolve it, and when dissolved pass the veil through it, then clap it between your hands and frame it or pin it have it in your refined, populous and literary city of out, taking care to keep the edges straight and even. Baltimore.

TO CLEAN WHITE SATINS.

then well brushed off with a hard brush. Should the ploughing, sowing, and reaping and mowingthe satin not be sufficiently cleaned by the first dusting, it may be done a second time, and it will both clean and beautify the satin. The more it is brushed the better.

FARMER. **THE**

BALTIMORE, FRIDAY, AUGUST 11, 1826.

LARGE CABDAGE.—An Early York Cabbage presented to the Editor of the American Farmer, by Thomas Maund, near Aldie, Va., on the 29th of July, 1826, (the seed of which were purchased of Sinclair & Moore, of Baltimore,) measured three elegant as well as practical instruction to all the feet five inches in circumference. This proves that in Loudon county of Virginia, at least, there is both young people of both sexes, as well as to the pracsoil and skill adapted to the culture of this valuable esculent, to great size and perfection.

Retiremontane, May 12, 1826. J. S. SEINNER, Esq.

Sir,-As it is not to be presumed, or even supposed, that all your worthy subscribers are just now in the A, B, C, of their agricultural days, or even of their lives, the object of this is to solicit you to give us a more diversified dish, or such as will suit your different readers. Let us not always be in the "field, digging, ploughing and sowing;" but let us also sometimes be in the library and elsewhere, where we may enjoy the "feast of reason and the flow of soul."

Some of us farmers, Mr. J. S. S., who are in the common acceptation of the term "no chickens," would be in a shy row, if we were just now beginning to learn how to sow wheat, raise corn and 9th and 10th lines from the bottom, instead of "mahogs, and set out ruta bagas. Why, bless my soul nure the hill or drill with cotton-stalks," read "maand body, too, Mr. Skinner, some of your subscribers write as though they thought I saw the sun rise yesterday for the first time; I who have sown my wheat in the valley for twenty years, graduated my boys at Princeton, and now sent them off to the Western country, to do as their father has done before them, (which, by the way, I can tell you was, I think, very well.' But, to the question, Mr. Skinner: I am now (if ever it is to be.) enjoying my "otium cum dignitate"-and I want you to give us some of those long promised extracts from Michaux's "Flora Americana," sent you by Mr. M. Clure, (I believe,) bought in Paris. I want to hear him on the different species of maple, gum and sycamore.

There are several subjects, Mr. Skinner, in my

splendid pillar of science. I wish you would bor row, or get Wilson's Ornithology, and give extracts from him on the Thrush, (Teudus.) which sings in so plaintive and sweet a note of evenings in low groves—as also his essay on the bird commonly called "Thrasher," the Scotch Mavis. The first mentioned is called "Wood Robin" generally, I be

I would add the writings of Wilson to my agricultural and rural library; but they are not easily obtained, and they are very costly as I am informed; perhaps too much so for private purchase, though no doubt you or some of your subscribers, or societies,

You see, Mr. Editor, that what I wish is, for you French chalk must be strewed over them, and to give us a more diversified fare, and not always

> "So manifold, all pleasing in their kind, All healthful are the employs of rural life, Reiterated as the wheel of time runs round, Stitl ending-and beginning still." COWPER. Your obed't serv't,

[We shall comply, as far as practicable, with the suggestions of "An Old Man;" but we wish we may not have complaints on the other hand, that we give too much of hook, to the exclusion of practical matter. It has always, however, been a favourite idea with the Editor, that the American Farmer should be so arranged as that a considerable portion of it should afford a pleasing study, and convey elegant as well as practical instruction to all the tical farmer and the managing housewife-and we are in no want of materials in our own library for selections that would answer this end. The diffi-culty is the fear of taking too much of the paper for these objects, and the apprehension that subjects continued from one paper to another would become tedious. We have, however, advanced to meet the views of "An Old Man," and to gratify our own wishes, by occasional extracts from natural history-and now by others from Loudon's Encyclopedia of Gardening. We shall see if he does not get tired before we are done with the Science of Gardening, and shall expect when he is, that he will show his usual frankness by avowing it.- Ep. AM. FARM.]

Erratum.-In vol. 8, page 60, (No. 8,) under the head "Hint for a rotation of crops in the South," nure the hill or drill with cotton-seed."

FOR SALE.

A full blooded MARE and her two Colts, viz: a full blooded Hunter Stallion, sired by Exile, 3 years old tast month, 15 hands high and promising; the other a handsome full blooded one year old Filly, sired by Gov. Wright's "Silver Heels." The Mare is also in foal by him. Apply to the Editor.

CONTENTS OF THIS NUMBER.

On Smut in Wheat, hy James Mease, M. D .- Expe-riments with Steeps-Experiments in planting Chestopinion, which country gentlemen should inform rat Science—Annals of the Turf, No. IX.—Recipes, To themselves in and cultivate a taste for; and those are clean Black Lace Veils, To clean White Satins—Large some of the following, viz: Every division or class of Cabbage-Letter to the Editor-Erratum.

POTORO OTENIO

PRICES CURRENT.									
1	A DOMAIN DO		WH	OLE	SAL	E.	RE	TAI	1
	ARTICLES.	per.	fro		to		fron	_	0
1	BEEF, Baltimore Prime,	bbl.	_	50	8				-
t	BACON, and Hams,	lb.		5		9	9		12
	BEES-WAX, Am. yellow			31		33		1	50
1	COFFEE, Java,			17			22	1	25
	Havana,			15		16		}	20
ľ	COTTON, Louisiana, &c.			13		14			
	Georgia Upland			30					
Į	COTTON YARN, No. 10, An advance of 1 cent			30		- 1			
l	each number to No. 18.					- {			
l	CANDLES, Mould,		1	21		14	16		18
I	Dipt,	_		11					14
I	CHEESE,			9		11	1 42		15
	FEATHERS, Live,	1. 1. 1		39		- (37		
l	FISH, Herrings, Sus.	bbl.		7 A		- 1		1	
1	Shad, trimmed, FLAXSEED, Rougb,	bush	•	80		- }		4	
1	FLOUR, Superfine, city,	bbl.	4 3		4	50	6 00	1	
1	Fine,		l .	00				1	
-	Susquehanna, superfi-	-	4	00	4 1	21		1	
1	GUNPOWDER, Balti	25 lb	2	00			5 50)	
1	GRAIN, Ind. corn, yellow	bush		65		68		1	
1	Wheat Family Flour	-		70 85		0.5		1	
1	Wheat, Family Flour,			70		95 30		-	
	do. Lawler, & Red, new do. Rcd, Susque			80		83			
1	Rye,	-		65		70		1	
	Barley,		}	80	1	00		1	
	Clover Seed, Red	bush	1 -	375	4	25	4 78	i i	
1	Ruta Baga Seed,	lb.	1	-			0.00	1	
	Orchard Grass Seed,	bush		75			2 00	1	
	Maugel Wurtzel Seed,	1	1 2	25 25			3 00		
	Timothy Seed,		2	25		30	5 00		
	Oats,		,	70		00	1 8	7	
	HEMP, Russia, clean,	ton	215		220)		1	
	Do. Country	-	120	0	130			1	
-	HOPS	lb.		15			2		
-	HOGS' LARD,	-		7		9	13	2	
2	LEAD, Pig	lb.		61/2		0.1			
	Bar	1-		8 22		8½ 23	6:		
-	LEATHER, Soal, best, MOLASSES, sugar-house	gal.		46	1	20	62	1	75
3	Havana, 1st qual.	gai.		32		34	37	1	10
7	NAILS, 6a20d	lb.	1	64				9	
1	NAVAL STORES, Tar,	bbl.		50		양충			
r	Pitch,	-	2	PR 6					
1	Turpentine, Soft,	-	1	75					
	OIL, Whale, common, .	gai.		27 70			8		
,	PORK, Baltimore Mess,	bbl	111		12	00	0		
7	do. Prime,	501	8			00			
_	PLASTER, cargo price,	ton	. 3			00		-	
	ground,	bbl		50	1				
3	RICE, fresh,	lb		23		3		5	6
	SOAP, Baltimore White,			12		14	1		20
9	Brown and yellow			51		71		8	12
	WHISKEY, 1st proof,	gal.		3 i 75		32년 00	1 2		50
	PEACH BRANDY, 4th pr APPLE BRANDY, 1st pr			36		00	5		
9	SUGARS, Havana White	.c.lb	.12		13		15	16	3
,	do. Brown,	1-	8	50		00		1	
_	Louisiana,	-	7	50	9	50	10	11	1
	Loaf,	lb.		19		22	2		23
-	SPICES, Cloves,	-		70		75	1 0		
-	Ginger, Ground,	1-		7			1 2		
	Pepper,	busl		17 43			7.		
į	Liverpool ground	- Udsi	*	45	1		7	,	
f	SHOT, Balt. all sizes,	cwt	. 9	00					
3.	WINES, Madeira, L. P.	gal.		50		00	8 5		1
y	do. Sicily,	1-	1	15		20	2 0	0	
1	Lisbon,	1-	1	15		20	1.5	Λ.	75
=	Claret,	doz		0.5	3	0.0	5 0		00
	Port, first quality,	gal.		65 30		85 85	2 5	0	
-	do. crossed,	1 lb.		20		2?			shed
-	Common, Country,	1-		15		20			ee of
9	Skinners' or Pulled, .	1-	1	20		25	l J tag	ss.	
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Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

ON THE ENEMIES OF THE WHEAT CROP By J. BUEL, OF ALBANY.

(From the Memoirs of the Board of Agriculture of the State of New York.)

These are Insects, Smut, Mildew, and Rust. Conjointly, they annually destroy from one fifth to one third of our wheat, the great staple product of our soil. A course of experiments, diligently persever ed in for a few years, and by men competently qualified, would probably develope the causes of these evils, and suggest remedies for most of them. But no individual is able to conduct these experiments to a satisfactory result. This is one of many subjects in husbandry which must remain in doubt and uncertainty, until truth shall be established by some paramount authority, by an association of scientific and practical men, or an institution devoted expressly to agricultural improvement. The state would be remunerated a hundred fold for the expense of an experimental farm and school of agriculture, by the bare discovery of a preventive of the depredations of the Hessian fly.

All we can do under present circumstances, is, to collect and publish the most respectable authorities on this subject; barely remarking, that, as the questions involved in the inquiry are of the highest interest to the state, every suggestion which proposes a remedy for the evil, should be received with liberal indulgence; and though the means proposed may not seem commensurate with the object, they should not be rejected without a candid investiga-

tion and fair trial.

The Hessian Fly.

The first appearance of this diminutive, though formidable enemy, was noticed about fifty years ago, on the west end of Long Island, from where it seems to have migrated in every direction until it has overspread most of the middle and castern states. Eminent practical farmers, as wat as men blows."; of scientific acquirements, have devoted much time and labour, to acquire a knowledge of its history and habits, in order to be able to coulast it succession. fully. No means of averting je evils, however, have yet been devised, sufficiently successful, or

in general practice.

The earliest account of the Hessian fly that I have been able to find, was drawn up by Jonathan laid the latter end of April or beginning of May. N. Havens, a Suffolk, in 1792, and was predicated N. Havens, a Sulfork, in 1792, and was predicated upon the personal and attentive observation of that upon the personal and attentive observation of that "3d. They changed from the caterpillar state the years. According to the observations of Mr. Havens the insect is viviparous, the maggot properly being the first stage of its existence, and in this maggots are generally deposited on the wheat between the first of September and the fifth of October, by a fly, "resembling the muschetto, except that it is much smaller, and has a short bill" They are found attached to the stalk, near the root, within the sheath of the first or second letf, where they subsist on the juices of the plant, which they obtain by suction. In four or six weeks they attain their growth, and are transformed into the chrysalis, or second state. In this state trey continue, attached to the plant, until the spring followthe flies burst their prisons and escape ly boring through the leaves which enclose the hrysalis. They immediately copulate, and deposit thir young in five or ten days, that is, generally beween the 20th of April and the 10th of May. The new of Agriculture and the Arts, vol. t, p. 7t to 86, for this swarm pass through the same changes, n time to account at length. complete two generations in the year-t'e chrysalis being generally left in the stubble afte the grain No. 22. -vol. 8.

is harvested, and the fly again emerging the last "To guard against their destroying the plants in the spring,"—he recommends that the wheat be the spring,"—he recommends that the wheat be the spring, and the ground well Mr. Havens ascribes to a difference which he supposes to exist in the straw, that of the latter being more hard and fibrous. Thus the chrysalis may be found in summer in the stubble, and in winter in the green plant. To destroy the insect, or escape its ravages, Mr. H recommends sowing bearded which wheat, after the autumnal deposit of maggots, and the transformation of the chrysalis to the fly in August and September.*

oats precede the wheat crop; that the stubble be immediately ploughed under, whereby the insect years past, been in the practice of sowing; and will be deposited on the volunteer oats which spring though a few of the insect, in the caterpillar state, up, and be buried by the last ploughing; and that the ground be put in fine order, well manured, and the seed sown late. He says, steeps "are not ex-

clusively to be depended on."f

Joseph Cooper, of New Jersey, a gentleman of great experience and nice observation, after having made many experiments comes to this conclusion: that if the farmers all through a neighbourhood would prevent, as much as possible, such grain as is period between harvest and the first of September; have their land in a good state of cultivation, and later; [this is calculated for the neighbourhood of Philadelphia, and of the kind of grain which comes forward most rapidly in the spring, they would receive very little injury from the wheat fly." His observations go to show, that the insect may be found in all stages during the summer months. April he pulled up plants materially injured, put can Farmer, in October, 1823, Mr. Cocke reiterates them in a glass covered with perforated paper. two or three weeks the fly came out. He observed some plants that were green at harvest, almost as full of the insect as a piece of tainted meat with fly fly deposits its egg in the central blade in a few

Dr. Isaac Chapman, of Bucks, (Penn.) considers the fly oxinarous, or as bringing forth eggs. In the fly ograrous, or as oringing form eggs. In the control of the particulars his description corresponds with three inches deep.\(\) that given by Mr. Havens, already noticed. After Dr. William Meriweather, late of Richmond, Va. going through in detail, Dr Chapman gives the folpracticable, to inspire confiduce, or to be adopted lowing summary as the result of his observations on and is not a preventive of the fly. From thirty the habits and transformations of the insect.

"2d. In a few days the eggs were hatched, and

latter end of May, and beginning of June; and,

gate doing all the mischief to the grain. The their eggs the latter end of August and forepart of September.

Second generation .- 1st. The eggs were laid the latter end of August, and in September to the 20th. "2d. In a few days the eggs were hatched, and the caterpillar appeared in September.

"3d. They changed from the caterpillar to the chrysalis state in October, in which state they continued the succeeding winter.

laying their eggs is past, before the young plants depth, and also shows that the maggots do not pencappear in leaf," which period the Doctor considers trate the caudex to the embryo crown, when that is the 20th September.

sown on high and dry soils, and the ground well and to the bald than to the bearded wheats. This manured and cultivated, in order to insure an early and vigorous growth; and that seed he obtained from the south, as the plants of such will grow earlier in the spring than plants habited to our lati-

Doctor Chapman wrote the communication from which the preceding abstract is made, in 1797. In November, 1820, in a note to the Secretary of the the burning or ploughing under the stubble before Bucks County Agricultural Society, he says,-"Upwards of twenty years experience has since convinced me, that the last three or four days in Sept., and Judge Peters recommends as a preventive, that the first week in October, is the best time for sowmay appear in young wheat, they are so few as to

do but little injury." Gen. John H. Cocke, communicated his observations on the fly to the Albemarle Society, Virginia, in 1817. He says the fly deposits its eggs on the blades of the wheat indifferently, at from half an inch to three inches from the main stalk or central shoot, in the furrows which run longitudinally, sometimes to the number of forty on a blade; that nutritive to the Hessian fly from vegetating in the in four or five days they hatch into maggots, and crawl down the leaf to its intersection with the stalk; that by stripping down the booth or sheath, sow about the beginning of October, or a little the worms were found in a state so minute as scarcely to be discoverable to the naked eye, lodged near the root, just at that part of the plant which is the seat of all their mischief; and where they are found in the subsequent chrysalis state. He recommends feeding off the crop.t

In a communication to the editor of the Amerihis opinions advanced in 1817, and says they have been amply confirmed by subsequent experience.t

"A King William Farmer" is of opinion, that the days or hours after the wheat comes up; and has no doubt they continue to deposit as long as they live.

says deep covering is often destructive of the crop, years experience, Dr. M. is satisfied that from one to two inches is a proper covering for the seed |

James M. Garnet coincides with the King William Farmer. His communication was accompanied by five bundles of plants, a representation of which is furnished us by the indefatigable editor of the Farmer, and which serve to illustrate Mr. Garnet's views. Nos. 1, 2 and 3, show, in contradiction to "4th. The fly came out of the chrysalis the latter views. Nos. 1, 2 and 3, show, in contradiction to end of July and beginning of August, and deposited Dr. Meriweather's theory, that where the seed is deposited more than two inches from the surface, the plants are furnished with two sets of roots, the seminal and the coronnal. No. 2, also shows, that when the maggot destroys the seminal stalk, the root below the retreat of the magget will force out new shoots capable of producing wheat. No. 3, proves the effect of the fly on shallow wheat, and shows, that the maggots easily find their way to the embryo crown, to the destruction of the plant, if no "1797. 4th. The fly lest the chrysalis state, and coronnal roots are formed. No. 4, evinces the inappeared in the latter end of April and forepart of stinctive propensity of the maggets to descend as near to the crown of the plant as they can. No. 3, May.

"To guard against their destroying the young demonstrates that a double set of roots and branching; when, between the 15th of April and the first of May, the second transformation takes pace, and plants in autumn,"—do not sow "until the period of es is no proof that wheat is covered an unnatural even two inches below the surface. I

Memoirs of Phila. Society, 1802. Dom. Encyc., art. Fly, p. 177.

^{*} See American Farmer, vol. 3, pages 166, 175. 1 Ibid. vol. 5, p. 241.

[†] lhid. vol. 1, p. 295-6. § Ibid. vol. 2, p. 227. || tbid. vol. 1, p. 125. † lbid. vol. 2, p. 159-160.

chrysalis or flax-seed state/

changed to the flax seed or chrysalis state. He fourth."* found the insect much the most numerous in stub-ble fields that had been pastured; and that grain for the plants to take good root, say the last week

its eggs about the 24th; the deposit was made similar to that of last fall, except in some instances farlar to that of last fall, except in some instances farlie crops nevertheless, it soon revived; grew in the ther from the stock. The insect generally chooses the weakest plants, avoiding those which are forward or most even and beautiful manner, and yielded more well grown. This is accounted for, as it seems nethan thirty five bushels the acre. cessary to elasp the leaf, by placing some of its claws on the opposite sides, in order to press the eggs into the gutter; hence there is a difficulty in managing a broad leaf; and in the few instances where I found it effected, the eggs were laid near the side or point, of course were more exposed to danger; and besides, the young caterpillar would not so easily make its way down the stem of a vigorous plant. It appeared to me, that many of the eggs of this broad were devoured by other insects; and that those which escaped were hatched in the course of two or three days. The pupa state commenced about the fifteenth of May. It again entered the imago or fly state early in June, and generatly deposited its progeny from the 8th to the 10th of that month; but I saw it on the 12th in all its stages, to wit, the ovum, larva, pupa and imago-the egg, caterpitlar, chrysalis, and fly. The eggs were laid on the upper leaves of the weaker or stunted wheat, and in some instances on the under as well as the upper side, and the larva became lodged about the two upper joints, but most about the upper. This se-

Hezekiah McClelland compares the Hessian fly to the locust, and says it makes an incision in the like, I have counted two hundred and eight eggs on a would have a tendency to remove, in any degree, that any thing I could say on the subject to the locust, and says it makes an incision in the like, I have counted two hundred and eight eggs on a would have a tendency to remove, in any degree, that inveterate and deep-rooted prejudice so unfairwheat always suffers most; that the fly is very har- ties around the stock as to burst their covering, ly prevailing against that much abused and ill-treatdy, he having seen them very active when the (the sheath,) and thus become exposed to the de- ed, though most valuable animal, the Merino sheep ground was hard frozen and a heavy white frost, predations of other insects. They were generally —the more to be regretted, when we consider the smaller than those of the other broods, and many invaluable acquisition they have proved to the in-Edward Tilghman, of Queen Ann, Md. sowed the uppermost perished for want of food, the sap dustrious Saxons, who have for several years ship-the 18th September, and on the 5th October, the first seeding being up, and having generally put mense numbers, probably nine-tenths of the whole, of that article, by their care and attention so much forth the second blade from two to three inches, observed the eggs on the blades, and also the flies in numerous instances, in the very act of making their deposits. Mr. T. has no doubt as to the identity of the insect, having, like many others who have determined by the deposits and the insect, having, like many others who have desired the deposits are the leaves are pure as I found to the wrong distribution of the whole, of the two their care and attention so much were in some way destroyed—the busy ant appears improved, that it has brought generally from 50 to 80 cents more than that of the original Spanish wool is quoted 2s. 6d. to 4s. 6d.; while German Electoral is quoted 3s. 9d. to 6s. It is ascertained between the leaves are pure as I found the control of the wrong that it has brought generally from 50 to 80 cents more than that of the original Spanish wool is quoted 2s. 6d. to 4s. 6d.; while German Electoral is quoted 3s. 9d. to 6s. It is ascertained between the leaves are pure as I found. scribed it, seen them hatch in tumblers from the insect had deposited on the larva or pupa, as I found youd dispute, that by equal attention, the same immany in the latter state completely eaten up, and provement in the quality of the wool takes place in James Worth, of Bucks, Pa., in a communication the case perforated by the parasite, and through the America, by similar management; but we have to the Philadelphia Society for promoting Agricul- aperture, I presume it evolved in its perfect state. been too long accustomed, in this happy country, to the rimadelphia cociety for promoting agricult, in this happy country, tare, dated Feb. 1820, details his observations made In harvesting, some of the stocks on which the puin October. On the 9th he was called to the wheat pa rest are left standing; others, and the greater yet, to see the necessity of paying that attention to field by his neighbour, to see the fly; but was displaced to the wheat pa rest are left standing; others, and the greater yet, to see the necessity of paying that attention to part, are cut off, [with the grain.] Some of those appointed. The fly had disappeared; but on exclude of the wheat with a glass, he field, whilst the longer ones are bound in the observe. found an astonishing number of eggs; scarcely a sheaves, and carried to the stack-yard or barn; and plant had escaped, and on some he counted twenty. it is probably owing to the various situations in be derived from sheep farming on an extensive which the pupa is thrown, that the succeeding brood scale, it may be necessary to mention the state in had just burst its shell, and was crawling down the becomes so irregular, the deposit of which comleaf; the next day he discovered a plant where the menced about the 15th of August, but more abunmaggots had all left the leaf, which he inferred dantly made about the 26th, and continued on in a rather have said, previously to its being occupied as from the shell of the eggs, and on stripping down less degree, till October, when those most carty entered the saw them on the stalk, about a dozen in tered the fty state; and thus their ravages were years to a tenant on shares, who, by dint of abunnumber, and some of them within an inch of the root. On the 18th, the caterpillars had generally passed from the leaf, and many of them had reaching passed from the leaf, and many of them had reaching the solution of the saw a few in the fields on the 25th November, and some of them within an inch of the carried on as long as the season would permit. I don't ed the end of their journey. About the middle of may then be said, that during the past year, there to 150 Merinos in 1809; and in September, 1814, I November, in a warm exposure, some of them had have been three complete broods, and partially a took possession, and paid, hy valuation of two com-

ble fields that had been pastured; and that grand sown after September had sustained no damage.‡

In February, 1821, Mr. Worth, at the solicitation of the society, gave a very detailed account of the spring; by which latter practice the fly is deprived of a deposit for its eggs; or, if deposited, the eggs, or attempt of the insect, I shall state new facts with regard to the insect, I shall state or caterpillars are destroyed with the blades. In confirmation of the utility of feeding, Mr. W. states confirmation of the utility of feeding, Mr. W. states confirmation of the utility of feeding. Mr. W. states confirmation of the utility of feeding, Mr. W. states confirmation of the utility of feeding. Mr. W. states confirmation of the utility of feeding. Mr. W. states confirmation of the utility of feeding. Mr. W. states confirmation of the utility of feeding. Mr. W. states confirmation of the utility of feeding. Mr. W. states confirmation of the utility of feeding. Mr. W. states confirmation of the utility of feeding. Mr. W. states confirmation of the utility of feeding. Mr. W. states confirmation of the utility of feeding. Mr. W. states confirmation of the utility of feeding. Mr. W. states confirmation of the utility of feeding. Mr. W. states confirmation of the utility of feeding. Mr. W. states confirmation of the utility of feeding. Mr. W. states confirmation of the utility of feeding. Mr. W. states confirmation of the utility of feeding. Mr. W. states confirmation of the utility of feeding. Mr. W. states confirmation of the utility of feeding. community of feeding, 131, W. states, wear, 1816, I pushased 366 bushels of oats, and that one of his neighbours, on the 23d of April, year, 1816, I pushased 366 bushels of oats, and that one of his neighbours, on the 23d of April, year, 1816, I pushased 366 bushels of oats, and that one of his neighbours, on the 23d of April, year, 1816, I pushased 366 bushels of oats, and the turned his sheep on a lot of wheat, and kept them tons of hay. Next year you will perceive I sold there until scarcely a vestige of the plants was to there until scarcely a vestige of the plants was to chasel no oats, and since then, I have pur-

(To be continued.)

MANAGEMENT OF MERINO SHEEP. By WM. J. MILLER, Esq.

(From the Memoirs of the Pennsylvania Agricultural Society.)

On Merino Sheep-their Management-Increase, and great importance, in the best modes of husbandry, as proved by the product of his farm.

Philadelphia county, March 7, 1824.

stock, as well as the price at which we could afford to produce that wool, say fifty cents per pound, un-

With respect to the increase, and probable sup-ply, a more perfect idea may be formed from the result of my experience, and the facts I shall give you, than any speculation on the subject.

I should have much more pleasure in complying with your request, could I flatter myself with the

In order to give a correct idea of the benefits to which the farm I now occupy was, previously to my taking possession of it in September, 1814; I should

petent judges, for the produce then on hand and in the ground, viz: 361 tons of hay, 270 doz. oats, 190 bushels of wheat, 100 bushels of corn, and 178 bushels of potatoes. Having assumed his contract, I had a stock of 236 sheep, 9 cows and 6 horses, to

Oats heng then considered indispensable to Merino sheep in winter, I had to purchase that year 348 bushels, and 4 tons of hay; and in the second

of the farm, it may not be improper to contrast the last crop with the stock now kept, with that above

mentioned.

Besides having ample pasture for 335 sheep and 10 head of horned cattle, I cut upwards of 80 tons of hay and four of millet-had twenty acres in wheat, from which I have already thrashed out 400 bushels, which, at Thomas' mill has averaged very nearly 64 lbs. per bushel, and brought \$1.25 per bushel, being 5 cents more than the common wheat; and there is a barrack yet to be thrashed, which most probably will produce 60 bushels more. Of corn I lad two fields, together 183 acres—one of Dear Sir, Philadelphia county, via to the subject of Merino letter from Mr. Rose, on the subject of Merino sheep, from which I am happy to observe, that we sheep, from which I am happy to observe, that we sheep, from which I am happy to observe, that we of the sed, produced only 112 bushels. Potatoes 6 acres, about 750 bushels. My crop of wool should being the produce of 292 sheep them 7 acres, manured with sheep dung; from here be added, being the produce of 292 sheep— 1252 lbs also that of the dairy, being 530 lbs. of butter, fom an average of 7 cows, besides supplying the ants of my tenant's family in milk, consisting of ten persons, and supporting a family cow of my orn. The produce of the piggery ought not to be forgotten, say 1600 lbs. of fine pork, besides pig kept for next year.

As to anure, I have generally been able, from my sheeppen and barn yard, to put in well twenty acres of weat, besides a patch of turnips and man-

^{*}American Farmer, vol. 2, p. 234.

[†] tbid. vol. 2, p. 235.

^{*} Am. Farmer, vol. 3, p. 188.

gel wurtzel, and two gardens. This autumn I have (including the potato ground) 26 acres in wheat, rams, the males of which I shall dispose of at mowith timothy. The whole of the dung I have purderate prices, with the view of extending the breed. with timothy. The whole of the dung I have purderate prices, with the view of extending the breed. chased since I commenced farming, amounts to Samples of the wool are to be seen at Mr. Young's seven scow loads; so that the sheep ought to have, as they justly merit, all the credit of improving the farm. I consider that each grown sheep, in the way John HARE POWEL, Esq., we manage them, that is, penning them every night in the year in a pen 100 feet by 80, and keeping them well littered, produces a load of dung which could not be laid down on my farm from the city, even by water conveyance, under two dollars.

The great secret in keeping sheep to advantage on our farms, is to have them well subdivided, and never to allow them to go into the cows' pasture till after they have done with it. My farm is divided into 17 fields, and I have besides a moveable fence of 500 feet in pannels, by means of which I can divide a ten acre field in a very short time. It consists of three rails of boards only, and there is but one sheep in my whole flock that will attempt to leap it. This I consider an invaluable quality in the Merino.

I find I have extended this communication to an unusual length, without referring you to the enclosed document, being an abstract (though not so particular as it ought to be,) of my farming operations since 1815; yet sufficiently so to prove, in my opinion, the practicability, if not the advantage, of keeping sheep on a large scale—at least the Merino, on a grain and dairy farm, to the amount of 12 to 2 sheep per acre, not only without injury to, but much advantage to the other operations. And I will say to the infidel on this subject, what I did to my present farmer on shares, who came to me full of prejudices in 1820— Point out to me any other system of farming, by which I can obtain as much rent, with as little labour, and preserve my farm in the same condition, and I will clear it of the sheep to-morrow." He is now as much in favour of the sheep as he was formerly opposed to them. He receives one balf of the wool, and all the increase is mine, with the other half. We have never sold it under filty cents, though the price, as of other produce, is low at present, not more than thirty-five cents. Yet when it is added to half the crop of wheat, corn, butter and potatoes, and an orchard of 500 trees, it forms a handsome aggregate; more, I will venture to affirm, than any other farmer on shares in the county, on 155 acres, receives, who has the dung to haul, but from his barn yard.

If such is the result on a valuable farm so near the city, what prospects are open to the farmer in the interior of our state, with a wide range and low-

As intimately connected with the subject of this communication, and deeply interesting to the wool growers of the United States, I would mention, that I last summer imported two rams from Saxony, the fleeces of which I sent to Mr. William Young, and have just received the following account of their produce and value, showing how eminently advantageous it would prove to those keeping that stock, to attend to the improving the quality of the fleece. While commonly called full-blood Merino wool, in the dirt, will bring no more at present in the market than 30 to 35 cents, or \$1.50 to \$1.75 per fleece, these average \$4.31.

"The net weight in the fleece was 173 lbs." (they were covered with tar and dirt, and having been two months on board ship,) and when washed, it

weighed as under, viz:

1st quality,			at \$2.00		\$4.25
2d do	1	8	1.50		2.25
3d do			1.00		871
4th and 5th do. \ with belly bits \}	2	8	50	٠	1.25

7 lbs.

\$8.624

I have now between 80 and 90 lambs from these ON HARROWING GRAIN IN SPRING, AND I am, dear sir, your obed't serv't.

W. J. MILLER.

Cor. Secretary Penn. Agric. Society.

Abstract of the Operations of my Farm of 165 acres of cleared Land, 26 acres of wood, and 31 in lanes -Acres 1941.

-210763 1342.		
1815 a 1816 1817 1818 1819 b 1820 c 1822 d 1823	Date.	
0000000111	Farm Cows.	ST
	Tenant's Cows.	001
	Ball.	×
000-0-19-	Steers or Cows fatted.	EPT
10 11 11 11 11 11 11 11 11 11 11 11 11 1	Total Horned Cattle.	F 2
160 225 132 177 265 256	Sheep shorn.	STOCK KEPT AND FATTENED.
102 128 56 57 104 98 65 98	Lambs at shearing.	TENE
962 959 188 934 904 868 321 380 898	Total Sheep.	D.
777776666	Horses.	
111639888	Hogs fattened.	<u>_</u>
9 9 10 15 16 24 19	Acres.	
240 136 352 122 221 348 152 243	Bushels sold.	
10 30 30 20 11 17 ₂ 10 11 16 8	Acres.	
150 150 150 150	Bushels sold.	
15 15 20 25 25 25 25 25 25 25 25 25 25 25 25 25	Acres.	
200 392 388 389 389 414 414 303 278 278 259	Bushels raised.	P
882	Acres.	ROI
102 261 218 218 218	Bushels sold.	RODUCE RAISED AND SOLD
4 7 7 7	Acres.	RAI
29 17 67 102 no ac't.	Bushels sold.	SED
46044	Acres.	NI
fed do. do.	Bushels raised.	SOLI
0 00 00 0 - 00 to 10 to	Acres.	٦
750 no acc't. 750	Bushels sold.	
502 770 878 919 773 765 758 610 530	lbs. Butter made from Farm Cows.	
735 1116 704 844 867 1207 1054 1379	Wool sold.	
\$4.53 4.96 5.33 4.76 4.38 4.55 4.11 not	Average of Fle:	
0000001111	Calves sold.	
a. In October of this	year, divided the increase w	-ith

a. In October of this year, divided the increase with Mr. Mead's agent, being 150 sheep, and kept my own share, 150; returned also 48 old ewes.

b. Placed 70 ewes and 2 rams with S. L. Howell on shares, and sold also 40 wethers to B. Loyd.

c. In October, sold and sent to Ohio 55 ewes and rams ploughing, as these to gain the perfection they of my home flock, and 85 from those at Mr. Howelt's;

ON ARTIFICIAL GRASSES.

BY JAMES ECROYD.

[From the Memoirs of the Philadelphia Agric. Society.]

The harrowing of wheat, is a practice I have seen constantly pursued for a number of years, but most generally on stiff soils, and the effects produced were always considered as highly beneficial; but this operation, was generally preceded by eating off the wheat with sheep; and this was done by turning on so many as to eat it literally into the ground in two or three days, and so close, that no appearance of a blade could be seen. Partial eating, by too small a flock, was always esteemed rather injurious, by retarding the growth of some more than others, and preventing it from growing and ripening even. If wheat was sown on a rich fallow, so as to be in danger of lodging, the eating it off, makes it grow shorter and stiffer, and vice versa; if it be sown on a poor soil, in the spring it looks pale and sickly, and instead of its leaves creeping and spreading on the surface of the ground, it rises straight up, and does not stool; in this case the eating it off, makes it stool more, mends the colour, and adds considerably to the produce. The method of performing this operation was, after the sheep are taken off, we take a light roller and two light turnip harrows, the width of the roller; these are fastened with chains to the roller, and follow it, the roller breaks and pulverizes the clods, and the harrow loosens the surface and carths up the plants; then both harrowing and rolling are performed at once, with one pair of horses; this operation is always performed in the fourth month, (April,) when the ground is dry; it is also practised on wheat or rye, that is not eat off with sheep, and with equal success; its uses are not altogether confined to the grain crop, as it is the very best method of covering grass seeds.

According to my observations, the omitting to seed land with other grasses besides red clover, has appeared to me, one of the greatest defects in the whole system of agriculture in this country. The introduction of it in England, together with that of the turnip husbandry, (and which I believe happened both about the same time, that is, 40 or 50 years ago.) has doubled the average produce of England; and though the use of plaster and red clover, have added here so astonishingly to the value and richness of the country, as to make the average produce of grain, in many parts of this state, nearly equal to the best farms in England, yet for want of other grasses, to fill up the vacancy, as the red clover runs out, there seems almost a constant necessity of ploughing every third year, for if the ground by ploughing and fallowing previously to seeding, is put in such a fine tilth, as to destroy all the roots and weeds, the clover the first year is very fine, the second about one half freezes out, and the third, seven eighths; this leaves such a vacancy, as to give room to every weed so noxious to agriculture, blue bottle, garlic, St. John's wort, and a whole host of foes to rise, as to make an almost entire loss of two years, before the native grasses can gain the ascendancy. Besides, another circumstance prevents the native grasses from arriving at the perfection they might otherwise acquire, even in good ground, if seeded with the clover, whilst the ground is light and in fine tilth, that by the time the clover runs out, and these grasses begin to grow, the ground is so hard and solid, that one might almost as well expect a good crop of wheat by seeding without

of Mr. Mead's for 2 years, I have now a flock of 360 sheep and lambs after having sold, as above stated, 216:

MEM.—In Sept. 1814, I paid for half the increase of Mr. Mead's flock, being 83 ewes and rams. Immediately sold off 30 rams, leaving me 53 ewes, 20 of which were lambs; and from this stock, and the half increase increase of the sheep my own.

Of Mr. Mead's for 2 years, I have now a flock of 360 sheep and lambs after having sold, as above stated, 216: together, 576 sheep. The first 5 years I kept the farm in my own hands. Since 1820, it has been let on shares, giving half of every thing raised, including wool; the were lambs; and from this stock, and the half increase

might otherwise acquire; and the complaint that to writing, I shall send you an account of my suc | 100; and vapour in a proportion still less. out the introduction of foreign grasses,

DISEASES OF CATTLE IN THE SOUTH.

Whatley's Ford, (Geo.) July 15, 1826.

J. S. SKINNER, Esq.

the disease in cattle called (with us) the Distemper, I am but little acquainted with the symptoms of the disease from personal observation, but am informed that the animal is obstinately constipated, and the contents of one part of the stomach (perhaps the lower,) is found in a hard, compact and entirely dry state. I presume not one in an hundred recovers, or even survives the disease three days, instances occur of whole stocks being swept off in a week or two; and so well convinced are the poor farmers of the incurable nature of the disorder and its aptness to go through a whole stock, that so soon as one is attacked, he gives up the whole for lost; cattle driven from a climate more northern, are almost certain to be attacked, and die on the approach of hot considerably marred by the unwelcome intrusion of cannot be put in practice in our climate. the idea that they may be feasting on distempered meat, which is not only disgusting to a delicate stoany of your numerous correspondents prescribe a remedy or preventive of this formidable disease? J. B.

Our correspondent would render a publick service by getting some respectable physician to write for the American Farmer, a memoir on this formidable disease, describing its symptoms with the remedies that have been exhibited, whether successful or not. All the medical schools should give lectures on comparative anatomy, and the outline of the veterinary art, until we can get regular veteripary schools established. It would give to the professor, especially, in all country situations, more honour and great practical utility.—Ed. Am. Farm.]

PRICES OF PRODUCE, AND PRODUCT OF GRAPE CROP.

DEAR SIR,

corn, and it is now \$1.25. It is much to be feared, that the prices will be as high next year: we never its growth and development, the next object of the ments adduced in support of it, were, at one time, have experienced such a drought; what rains we phytologist's inquiry, will be that of ascertaining the thought to have completely established its truth, have had, have been so partial, that in many places there has been little or none. I am unfortunately the vegetating plant. What then, are the component teenth century, and was embraced by several phiamong the driest, and there has not been on my principles of the soil and atmosphere? The investi- losophers even of the eighteenth century; but its farm, one hour's rain since the corn was planted. I leave you to judge what a prospect of a crop I must have, with bad management, and worse land, ject. Soil, in general, may be regarded as consist-"A quelque chose tout mal est leon", and notwith standing the late frosts which have injured my grape vines very much, and this unparallelled in a proportion corresponding to the order in which drought, the grapes are doing exceedingly well, the vines look flourishing, and I shall probably begin fact with regard to the three first, though their relative proportions are by no means uniform. The us, that they died at last only from neglect of watterings well is seems extremely doubtful whether dry weather suits the grapes; but I am not unwil- atmosphere has been also found to consist of at least tering; yet it seems extremely doubtful whether ling to attribute a small share of this success to four species of elastic matter-nitrogen, oxygen, they would have continued to vegetate much longer, my cares, and the experience I have acquired by a carbonic acid gas, and vapour; together with a long course of assiduous attention to this object.

farmers make of land binding, would, I apprehend, cess as well as the probable causes of it.— I was seldom take place, in ground sufficiently rich, if this nethod of seeding was once introduced; and I have essay of Mr. Thomas M Call of Georgia, and he But the whole of the ingredients of the soil and atlittle doubt but the native green grass and white deserves well of his country for his exertions and mosphere, are not taken up indiscriminately by the clover, if a proper method was once adopted for the success that has crowned them: speaking of plant and converted into vegetable fued, because saving the seed, would answer the intention, with- him, I must take the liberty of correcting a probable plants do not thrive indiscriminately in all varieties error, which is very pardonable, and is made by of soil. Part only of the ingredients are selected, almost every person but a Frenchman, that translate and in certain proportions; as is evident from the from the French, the word "ccu," crown, "Ecu" analysis of the vegetable substance, given in the truly signifies crown; but what is called an ecu foregoing book, in which it was found that carbon. in France, is what is called in England and in hydrogen, oxygen, and nitrogen, are the principle this country, half a crown: it follows therefore, ingredients of plants; while the other ingredients Sir, Does your section of the union suffer with that it is very probable, that this kind of error has contained in them, occur but in very small proporcrept in the bottom of the middle column of the tions. It does not, however, follow, that these in-83d page. No. 11, vol. 8, where the price of an gredients enter the plant in an uncombined and inacre of vineyard is stated to have been \$13.000- sulated state, because they do not always so exist when I think the French gentlemen who gave the in the soil and atmosphere; it follows only, that they information may have meant only \$6.500 per acre, which is a good price enough.

I am very respectfully, dear sir, Your obed't serv't.

N. HERBEMONT.

PROSPECT OF CROPS IN MAINE-DIFFER ENCE OF CLIMATE FROM THE SOUTH.

Gardiner Lyceum, August 3, 1826.

Enclosed is the balance due you for the American weather, (the season of its prevalence.) Our lovers Farmer, which, I think well "worth the price of the of "old Georgia roast beef" have their pleasures subscription," although there is much in it which Farmer, which, I think well "worth the price of the

Yet there is more which might be, and ought to The season with us, is at present very favouramach, but really dangerous, as alarming symptoms ble, warm and sufficiently wet. We are now reapare the consequences of feasting on such beef. Can ing our wheat, it is pretty good; the grasshoppers have, however, injured it somewhat: they are very thick, and do much damage among cabbage, ruta baga. &c. Indian corn promises well—oats middling-hay, half what it was the last year-potatocs look well and many have had new ones for three

Yours, with esteem, E. HOLMES.

HORTICULTURE.

SCIENCE OF GARDENING.

(From Loudon's Encyclopedia of Gardening.) _

FUNCTIONS OF VEGETABLES. Food of the vegetating Plant.

the earth or atmosphere, the nutriment necessary to many advocates; and the arguments and experisubstances which it actually abstracts, or the food of It was indeed the prevailing opinion of the sevengations and discoveries of modern chemists have ablest and most zealous advocates were Van Heldone much to elucidate this dark and intricate subing of earths, water, vegetable mould, decayed animal substances, salts, ores, alkalies, gases, perhaps

are inhaled or absorbed by the vegetating plant, under one modification or another. The plant then does not select such principles as are the most abundant in the soil and atmosphere; nor in the proportion in which they exist; nor in an uncombined and insulated state. But what are the substances actually selected; in what state are they taken up; and in what proportions? In order to give arrangement and elucidation to the subject, it shall be considered under the six following heads: Water, Gases, Vegetable Extracts, Salts, Earth, Manures.

Water. As water is necessary to the commencement of vegetation, so also is it necessary to its progress. Plants will not continue to vegetate, unless their roots are supplied with water; and if they are kept long without it, the leaves will droop and become flaccid, and assume a withered appearance. Now this is evidently owing to the loss of water; for if the roots are again well supplied with water, the weight of the plant is increased, and its freshness restored. But many plants will grow, and thrive, and effect the development of all their parts, weeks past, and green corn a fortnight; by this you may make some estimate of the difference of the fixed in the soil. Lilies, hyacinths, and a variety seasons here and with you. are often to be met with, so vegetating; and many plants will also vegetate though wholly immersed. Most of the marine plants are of this description. It can scarcely be doubted therefore, that water serves for the purpose of a vegetable aliment. But if plants cannot be made to vegetate without water; and if they will vegetate, some when partly immersed, without the assistance of the soil; and some even when totally immersed, so as that no other food seems to have access to them; does it not follow that water is the sole food of plants, the We have paid here as high as \$2 per bushel for fixed in the soil, is now capable of abstracting from the receptacle of their food? This opinion has had mont, Boyle, Du Hamel and Bonnet, who contended that water, by virtue of the vital energy of the plant, was sufficient to form all the different substances contained in vegetables. Du Hamel reared in the above manner plants of the horse-chestnut Time will show how that is: in the mean time, I solid bodies occupying the surface of the earth, and am going to try to make my wine according to the best process known here, "secundum artem;" and, ents exist in proportion of about four to one; carbant their roots were found to be in a very bad state. The result of a great variety of experiments in the mean time, I solid bodies occupying the surface of the earth, and and less progress every year; and in the second wafted upon the winds. The two former ingredibles that their roots were found to be in a very bad state. The result of a great variety of experiments is, that water is not the sole food of plants

dients of the vegetable substance, even with the aid and is inhaled during the night. of the vital energy; though plants vegetating mere-

Gases. When it was found that water is insufficient to constitute the sole food of plants, re- vegetate in it, but for a very limited time, such as for mixing with water, and make it more mild to eourse was next had to the assistance of atmost the Vinca minor, Lythrum Salicaria, Inula dysenterica, the taste in one week, than a year's age will when pheric air; and it was believed that the vital energy employed of the plant is at least capable of furnishing all the secm to succeed equally well in an atmosphere of ment may be made in apple brandy, by putting in different ingredients of the vegetable substance, by nitrogene gas, as in an atmosphere of common air. the still, when rectifying, two, three, or more pounds means of decomposing and combining, in different Nitrogen is found in almost all vegetables, particu- of sassafras root in what will make a barrel of proof ways, atmospheric air and water. But as this ex- larly in the wood, in extract, and in their green spirit: a sufficient quantity of sassafras will give it travagant conjecture is founded on no proof, it is parts, derived, no doubt, from the extractive printerior of no value. It must be confessed, ciple of vegetable mould. however, that atmospheric air is indispensably necessary to the health and vigour of the plant, as may be seen by looking at the different aspects of with inflammable air of hydrogen, consumed oneplants exposed to a free circulation of air, and plants third of its atmosphere and was still green. Hence cases; and apple brandy, managed as above, and deprived of it: the former are vigorous and luxuriant; the latter weak and stunted. It may be seen also by means of experiment even upon a smaller of the plant. But the experiments of later phytologreat expense and risk, from other countries. Earscale. If a plant is placed under a glass, to which gists, do not at all countenance this opinion. Our ly-made cider, and that from rotten apples, is unfit no new supply of air has access, it soon begins to confusion from various experiments is, that hydro-for other purposes.

JOSEPH COOPER. languish, and at length withers and dies; but par- gen is unfavourable to vegetation, and does not ticularly if it is placed under the exhausted receiver serve as the food of plants. But hydrogen is conof an air-pump; as might indeed be expected from tained in plants, as is evident from their analysis; the tailure of the germination of the seed in similar and if they refuse it when presented to them in a circumstances. The result of the experiments on gaseous state, in what state do they then acquire it? this subject is, that atmospheric air and water, are. To this question it is sufficient for the present to renot the only principles constituting the food of ply, that if plants do not acquire their hydrogen in luable. It is much to be regretted, that some instiplants. But as in germination, so also in the pro-the state of gas, they may at least acquire it in the tution does not exist in this country to test and gress of vegetation, it is part only of the compo-state of water, which is indisputably a vegetable bring into notice, its native colouring matters. In nent principles of the atmospheric air, that are food, and of which hydrogen constitutes one of the the hands of a practical and theoretical dyer, maadapted to the purposes of vegetable nutrition, and component parts. selected by the plant as a food. Let us take them in the order of their reversed proportions.

the effect of the application of carbonic acid gas nearly the same phenomena as in nitrogen. Such was found to be altogether prejudicial. But in the process of subsequent vegetation, its application course of a few days. It cannot, therefore, be rehas been found, on the contrary, to be extremely garded as favourable to vegetation, beneficial. Plants will not indeed vegetate in an (To be continued.) atmosphere of pure carbonic acid, as was first ascertained by Dr. Priestley, who found that sprigs of mint growing in water, and placed over wort in a state of fermentation, generally became quite dead in the space of a day, and did not even recover when put into an atmosphere of common air. Of a number of experiments the results are, tst. That carbonic acid gas is of great utility to the growth of plants vegetating in the sun, as applied to the leaves and branches; and whatever increases least within a given degree, forwards vegetation, scrvations on that subject.

2d. That, as applied to the leaves and branches of The first evil is, running shade, if administered in a proportion beyond that pay for the time lost, and wood consumed thereby. It is the bark is stripped off soon as cut, (which is in which it exists in atmospheric air. 3d. That The second and most injurious is, in rectifying, or carbonic acid gas, as applied to the roots of plants, second distilling, the running it too long, or till the when it is fit for use. The poles make very good is also beneficial to their growth, at least in the spirit has an ill or disagreeable flavour, which great-

progress of germination; so also it is essential to the casks: the contents of one musty or offensive one, progress of vegetation. It is obvious, then, that will speil the spirit of ten times its quantity, if mix-the experiments prove that it is beneficial to the ed with it. From the experience of more than growth of the vegetable as applied to the root; ne-cessary to the development of the leaves; and to the development of the flower and fruit. The flow-as first proof, and to keep the remainder to distil er-bud will not expand if confined to an atmosphere with the low wines, or till there is a sufficient quan-good dy deprived of oxygen, nor will the fruit ripen. Flow- tity to fill the still, with the addition of about one

and is not convertible into the whole of the ingre- essential to the development of the vegetating plant, eider, to any other spirit whatever; and, for com

ly in water, do yet augment the quantity of their er part of the mass of atmospheric air, it does not of good cider, or water cider, put in previously to seem capable of affording nutriment to plants; for the fermentation of the cider. That process will as seeds will not germinate, so neither will plants greatly improve the quality of the spirit, especially

When plants were confined by Saussure in atmospheres of carbonic acid, they required nearly the used to advantage by the dyers of this country, and In the process of the germination of the seed, same condition to support vegetation, and exhibited also become objects of some magnitude, as exports.

RURAL ECONOMY.

ON DISTILLING APPLE AND PEACH BRANDY.

(From the Archives of Useful Knowledge.) Cooper's Point, 22d October, 1810.

The great plenty of fruit the present year, and the bad quality of the spirit distilled from it, in the the proportion of this gas in their atmosphere, at common way, induce me to communicate some ob-

The first evil is, running it too long in the first more advanced stages of vegetation.

As oxygen is essential to the commencement and third is, want of care to put the liquor into clean

mon use, I have been in the practice of reducing Though nitrogene gas, constitutes by far the great- high proof spirit with the last running from a cheese

ON AMERICAN DYE DRUGS.

(From Partridge's Practical Treatise on Dveing.)

There are, no doubt, a great many dying drugs in this country, which if known, might become vany valuable discoveries might be made of new dyes, now lying dormant. Many of them might be It would require an appropriation of two or three thousand dollars per annum, to effect the object, and I should apprehend that five years would be sufficient to test all the colouring matter of the U. States.

I am at present acquainted with only four native dye drugs, the sumach, the yellow bark, the bark of the swamp maple, and the alder bark. The two last not being generally used here, I shall describe their properties-of the first, I need say nothing more than that for colouring of black, or tanning moroceo skins, it is not half so good as the Sicilian; particularly for blue blacks, as the American works much browner, and does not produce any thing like so much colour, weight for weight.

The alder is found plentifully in swampy places: it is generally of small growth, and has a motly nutbrown bark; the sticks are cut in the month of April, or the beginning of the month of May, acplants, it is prejudicial to their vegetation in the distilling, which, beside injuring the spirit, will not cording to the climate and seasons when the sap bean sticks, or excellent fire-wood. This bark, when the colouring matter is strong, produces a brownish drab with alum, and a light forest drab when only a small quantity is used. When employed in the black dye, it increases the body of the colour, even more than sumach, and is equally

The bark of the swamp or scarlet flowering maple, is said by Doctor Bancroft, to possess all the good dying properties of nutgalls, with a less portion of extraneous precipitants. I have tried this bark, and am convinced of its being a valuable er-buds confined in an atmosphere of pure nitrogen, third water, which will imbibe much of the ill stable bark, and am convinced of its being a valuable faded without expanding. A bunch of unripe grapes introduced into a globe of glass which was luted apple brandy to put into wine, or for other particular drabs. Its extract gives a strong blackish purple by its orifice to the bough, and exposed to the sun, lar purposes, I would recommend filling the still with copperas, in body equal to that from nut galls, ripened without effecting any material alteration in half or two thirds full of good spirit; then to fill it its atmosphere. But when a bunch was placed in the same circumstance, with the addition of a flavour is good; and treat the remainder as before, quantity of lime, the atmosphere was contaminated, and the grapes did not ripen. Oxygen therefore, is until they find what quantity will produce the best sens the benefits which might result from it.

The saw-dust of the white oak, gives the best and most permanent body to blacks, of any matecommon use. It requires about twelve pounds of control oak saw-dust to twenty yards of broad-cloth, weighting twenty-four pounds, or half the weight of the such a juncture, in order to determine the matter, them, and is generally done from irritability of temcloth. The purple given by the saw dust, is finer than that which is obtained from the nut galls, or It is not improbable, that the saw-dust of the swamp-maple, would be still better than that of the oak.

There is an acid in wood, called the pyroligneous, which is much used, when combined with iron, for dying and printing of black on cutton. It is highly probable, that when oak, or other saw-dast is boiled, this acid is extracted, and operates in producing the colour, in addition to the purple obtained as a colouring matter; for it is well known, that pyroligneate of iron, is the best mordant used in the ticular action required has been performed. black dye.

LADIES' DEPARTMENT.

REWARDS AND PUNISHMENTS, PRAISE AND BLAME.

(From Hints on Education and Nursery Discipline.)

Rewards and punishments, praise and blame, are the main supports of authority, and its effect will greatly depend on our dispensing these with wisdom conditions for his future obedience. and caution.

ing it to an unnecessary stimulus, whilst punishment, too freely administered, will fret the temper,

or, which is worse, break the spirit.

Locke remarks, "that those children, who are the most chastised, rarely prove the best men; and, that punishment, if it be not productive of good, will

certainly be the cause of much injury."

ought never to be extended beyond what is absoinflicted by parents, or those who are possessed of ness. the first authority, should be of the mildest and least alarming character.

closet, and every thing that might terrify the imagination, are to be excluded from the nursery. If a nurse be under the necessity of punishing a child, she may confine him for a time in a light room, remove him from table, or allow him simply to suffer the natural consequences of his offence. If he intentionally hurt his brother with a whip, the whip must for a time be taken from him. If he betray impatience and selfishness at table, let him be served

watching our opportunities, by acting at the right his fault in private, as a warning for the future; but, season. With most children there is an era, and after peace has been made, to upbraid him with it, rial I have ever used, and is not so apt to turn this often takes place as they are emerging from especially in the presence of others, is almost a brown, as sumach, oak bark or any other material in babyhood, in which a struggle is made for the mas- breach of honour, and, certainly, a great unkindand firmly to establish authority, it will be neces- per, with little view to their profit. sary to employ vigorous measures, and to suppress the swamp maple bark, and is highly permanent, the first risings of a rebellious and disobedient spirit, ally deter children from what is wrong; and that in by punishment, decisive; and repeated till submiss employing it too much as an instrument of educasion on the part of the child, and victory on that of tion, we have reason to apprehend we may lead the parent, are completely secured.* So great is them to act from the fear of man rather than from the importance of these contests; so great is the that of God. Every thing, too, which may in the difficulty of carrying them on with the temper, and least injure the characters of children, is to be strict-the union of firmness and affection, which they re- ly avoided. To have the name of a naughty child quire, that it is desirable they should be conducted will produce so disheartening an effect upon the only by a parent. Punishment is more often to be mind, that the ill consequences may probably be inflicted simply as the consequence of a fault, and not that through life. It is on this account desirable, with the idea, that it must be prolonged till the partitudes, governesses, and nurses, be cautious of

> things, and he refuses with so much self will, that his attendant cannot overlook it, and is under the nearly as much caution as punishments and rewards; necessity of telling him that he must be confined in for a child may be called "good," "naughty," "trouthe next room for a quarter of an hour, but let her blesome," "kind," or "unkind," till either his tembeware of adding, that there he shall stay till he per will be kept in continual irritation, or he will will put them up. This would serve merely to en-listen with perfect indifference. gage in the combat his pride and his obstinacy At the end of the quarter of an hour she should release the impulse of temper; we may regulate his actions,

A very frequent recourse to rewards does but les- part of the offender, is the object of punishment, counteract the good effects of our correction. If irsen their effect, and weaken the mind by accustoming it to an unnecessary stimulus, whilst punishcomplete forgiveness. When a child has been corinflict punishment, and then do it as a duty, in exrected, we should not rest satisfied till this object act proportion to the real faultiness of the offender; has been attained; but it is not, in all cases, to be not to the degree of vexation he has occasioned expected, either during the continuance of the pun-ourselves. A child should be praised, reproved, ishment, or immediately afterwards.

after correction is over, and not being irritated at the idea that it may be continued, will generally tion which has influenced him. It is better, therefore, if possible, to effect our the idea that it may be continued, will generally purposes by encouragement and rewards, rather yield at once; but it is not considered necessary to than correction. But if this be impracticable, we put this always to the proof. He has committed a mere accidents, but mildly warned against similar should still keep in view, that punishment, being in fault, and has suffered the consequences. Here it carelessness in future. Whereas some people shew itself an evil, and intended simply to deter from what is often wisest to leave the affair for the time, much greater displeasure with a child for accidenfault, and has suffered the consequences. Here it carelessness in future. Whereas some people shew is wrong, and to induce submission and penitence, choosing the earliest favourable opportunity, when tally overthrowing the table, or breaking a piece of ought never to be extended beyond what is absolute has more perfectly recovered himself, for rechina, than for telling an untruth; or, if he has more lutely necessary to secure these objects, and, unless ceiving his submission, and assuring him of forgive-

right spirit, he will have felt the force of her cor-Not only the rod, but severe reproaches, rough rection, though he may not have shewn it at the we hope, by thus doing, to improve him in the go-handling, tying to bed-posts, the hasty slap, the dark his play-things, he will, pretty certainly, obey with true standard of right and wrong? more than common alacrity.

* Although the use of the rod is most strictly to be prchibited to those who possess only secondary authority, yet, with some few children, a parent may find it necessary to employ corporal punishment in order to establish the habit of chedience, or effectually to subimpatience and selfishness at table, let him be served the last, and with the least indulgence. Such gentle measures, administered with decision, will gentle measures, administered with decision, will gentlement may be very efficacious; but to tle measures, administered with decision, will ge corporal punishment may be very emeasured, and instance, that is much more the certainty and instance, that will avail. A child, who is sure of source on very important occasions, and administered times courage. If, in addition to this, our punishment, that will avail a courter of an hour if he strike his as a chastisement of the most serious nature, with dements carry with them the stamp of love; if they companion, is less likely to commit the offence than cision, perfect screnity of temper and affection towards

much of it as of gall-nuts, and increase gradually, tinuance, in every way, increases the evils, and les- restored as soon as possible to favour; and when he has received forgiveness, treated as if nothing had There is much, in education, to be done by happened. He may be affectionately reminded of

We are to remember that shame will not effectuenlarging upon the faults of those under their care

A child is desired, for instance, to put up his play- to any but the parents.

Blame, and even praise, are to be dispensed with

him from his imprisonment, without waiting to make but we cannot hope to subdue his will, or improve his disposition, by a display of our own wilfulness It has been said, indeed, that submission, on the and irritability; for our example will more than rewarded, and corrected, not according to the con-A well trained child, if affectionately admonished sequences, but according to the motives, of his actions -solely with reference to the right or wrong inten-

Children, therefore, should not be punished for head, and will not show off in company, he is more blamed than for selfishness in the nursery. But If his attendant have conducted herself in the does not such treatment arise from preferring our own gratification to the good of the child? and can

Punishment, administered in anger, is no longer When a child has been punished, he should be the discipline of love, but bears too much the character of revenging an injury, and will certainly excite in the sufferer a corresponding temper of mind, From fear, indeed, he may yield externally, but the feelings of his heart would lead him to resentment rather than to penitence and submission. And let it never be forgotten, that if we desire to perform our duties to children, it is not to their outward conduct, but to the heart, that we must direct our chief

are inflicted with an undisturbed serenity of temper, companion, is less likely to commit the offence than another who has only the apprehension that he may be detained an hour; for the hope of escaping with impunity adds no little force to temptation. Correction, also, is not to be unnecessarily delayed or prolonged. Delay renders it less effectual, and more trying to the temper; whilst any needless con-

NATURAL HISTORY.

ON THE HABITS OF THE AMERICAN LOCUST.

Fauguier county, Va. July 23, 1826. Having learned the last spring, that the locust was this season to make its appearance, after an absence of seventeen years, and finding the predictions (of the truth of which I was, I confess, at first quite incredulous,) actually verified by its arrival about the first of June, as foretold; I became a pleased, and endeavoured to be an accurate observthe Farmer of July 14th; but finding his statement

both in its size and appearance, as well as nature doubt that this is the identical form under which it collecting an account of the blood of our horses, is and habits from the locust of Egypt, and undoubtis hereafter to make its appearance upon the surto ascertain the number of stallions imported from edly appertains to a distinct genus. They rise face of the earth, after having completed its term England, with their pedigrees annexed; because it from the earth about the first of June; and the of years beneath it? and that instead of "many," ground which they have inhabited, is afterwards it undergoes but one "transmigration" or rather known by the small round holes which are in some transformation "ab ovo usque—"? What then foundation of our stock of turf horses, but for their places visible in considerable numbers on its surbecomes of the caterpillar, and the other various present value. There is not a pedigree of a single face. Immediately after leaving the earth, they endeavour to divest themselves of their skins, which, Proteus to assume during its "destructive career," in every cross, directly or remotely back to English if the air be somewhat damp, they readily effect; as he terms it? but if, unluckily, the warm rays of the sun reach But there ar them, their shell is dried and contracted upon them, and they are unable to extricate themselves.

pearing in the fly state, would seem to be the propagation of their species; for this is commenced

point and edge; so that the operation is more easily performed than could have been supposed, consideronly, projects forwards, and when not used is placed these, the pine and sumach it totally rejects. in a kind of sheath. It is not therefore, the male, according to the opinion of your correspondent, which punctures the branches, but the female.

The holes, which are from one half to three fourths of an inch distant, are arranged in rows, and are usually found on the under side of branches of about \frac{1}{2} an inch in diameter; but rarely on opposite this form, as I believe is the case of the silk worm, earried to a sufficient depth, the eggs are deposited whole course of my observations, seen them so emsingly, and in two layers; and the instrument is not ployed, nor were the leaves of the trees upon which removed until the hole is nearly filled with from 15

by too much piercing, are gradually brought to ma- ly have discovered, the locust is entirely destitute qualified assertion of the writer already alluded to, ous insects are furnished.

gratifying rewards that could be bestowed upon and examining several braches which had been them.

and examining several braches which had been pierced, I found that many of the repositories conaccuracy of most of them, it is hoped that farmers out and exposed to the air, hatched immediately. tricated themselves after three minutes, eight were on their feet in five minutes, of which one had crawled about eight inches, and that in ten minutes there were remaining but four or five which had not entirely freed themselves. I observed also, that when allowed to hatch upon loose earth, they soon penetrated it and buried themselves within it.

The insect which is excluded from the egg, excepting that its body is somewhat more slender, and er of the operations of this interesting insect, from its colour lighter, appears (viewed through a lens.) its first appearance. I therefore anticipated pleaprecisely similar to that from which its parent fly sure from the perusal of the communication of issues. Its large forefeet, the rudiments of wings your correspondent on this subject, published in visible upon it, the transverse rings upon its body, and even the hairs scattered over its surface, acto differ so widely in several particulars from my cord minutely with the same particulars in the large own observations, I beg leave to send you a few insect. With those points of close resemblance beremarks, of which you are at liberty to make such fore us, aside from the fact of their disposition to use as you may think proper. enter the earth, which shows that to be the element The locust of this country, is entirely different designed by nature for their reception, could we first step, it is conceived, towards a Stud Book, or

But there are other inaccuracies into which the gentleman has fallen, and which be will excuse me in stating, since he has requested (what certainly Their sole object, as that of the silk-worm, in ap- he needed before he attempted to inform others, complished, which is at present so great a deside-

viz.) information respecting facts.

One error, unimportant indeed, but still requiring immediately after their change, and they perish correction, is that an exudation of gum takes place soon after the female has deposited her eggs.

The manner and means by which she accomplishes this object, are extremely curious, and to me one instance: and did it universally occur, we novel. The instrument with which the perforation is should no longer be subject to these "depredations" effected, is half an inch in length, and which the writer imputes to this innocent insect. cylindric to near the extremity, where it is since what he considers their protection would inflattened and dilated, presenting both a evitably cause their destruction; for, as I have shown, they require the air to hatch, and the earth to nourish them, from both which they would thus ing the size of the workman. This perforator which be excluded. Besides, there are very few trees exis also made tubular to afford a passage to the egg, cept fruit trees, (with which the locust here seldom is inserted beneath in the abdomen of the female meddles,) which afford viscid sccretions; and of T. Reeves, Virginia; bay horse, bred by the late

One remark with respect to the nourishment of the to Crassus by Eclipsc—Young Cade, Rib, Partner, locust in its winged state. The gentleman asserts Greyhound, Curwen's Bay Barb. that they "destroy any green thing by their numbers and voracity." Now whether they draw up juices from the tree, or merely sip a little moisture as some suppose, or take no nourishment at all under they deposit their eggs, and remain in the greatest are filled by the same female.

The eggs in those branches which are not killed little more accuracy in his investigation, might easi

called forth by such correction, as by the most ing their envelopes; and this very day, on collecting whom I am indebted for directing my attention to tained nothing but dry skins, that some eggs had not will lay aside those fears of the return of the cateryet arrived at maturity, and that many, when taken pillar the next season, which the N. Jersey gentleman has endeavoured to excite, and that, notwith-On opening a nest containing about 20 eggs, and standing his too positive assertions, they will ascribe observing their progress, I found that three had ex- the ravages of that or any other insect, to their proper cause, and not to the harmless locust.

Yours, respectfully, J. W. R.

SPORTING OLIO.



ANNALS OF THE TURF .- No. X. (From the Petersburg Intelligencer.)

The following is a list of the stallions (which may be considered as nearly complete,) imported into Virginia and North Carolina from the year 1795 to 1810 inclusive, with their pedigrees annexed. The is to the importation of horses and mares from that kingdom, that we are indebted not only for the stoek.

The present attempt towards a collection so desirable, it is hoped, will be followed up by the zeal and intelligence of others, until a Stud Book is acratum with the amateur, the sportsman and the breeder of the turf horse.

Arch-Duke. Imported in 1803, by Col. Hoomes, of Virginia; a brown bay, got by Sir Peter Teazle, dam Horatio by Eclipse—Countless by Blank—Rib -Wynn's Arabian-Governor-Alcocke's Arabian -Grasshopper.

Alderman. Imported into Virginia, by John Banks, of Richmond; bay horse, bred by Earl Grosvenor, and got by PotSos, dam Lady Bolingbroke by Squirrel, out of Cypron, the dam of King Herod by Blaze—Bethel's Arabian—Greyham's Champion -Darley's Arabian-Merlin.

Archer. Imported from London, in 1802, by Duke of Cumberland, got by Faggergill, dam sister

Admiral Nelson. Imported by Wm. Lightfoot, Virginia; bay horse, bred by Lord Grosvenor and got by John Bull, dam Olivia by Justice, her dam by Pherby Squirrel, out of Tribble's dam by Regulus.

Bryan O'Lynn. Imported by Governor Turner, sides, unless the limb be nearly erect. They are I am not entirely satisfied: but that they devour the of N. C., was a bay horse and got by Aston, (own generally made by the insect with its head depending, and are therefore directed downwards. When vinced is wholly incorrect. For I have neither in the out of Prophet's dam by Partner-Greyhound— Curwen's Bay Barb.

Bedford. Imported from London in the spring of 1776, by Col. John Hoomes, of the Bolling-Green; to 20 eggs. The process is then repeated, until numbers (as the chinquapin,) more eaten than a bay horse, bred by Earl Grosvenor, and got by perhaps 50 perforations, containing near 1000 eggs, others. Besides, what of itself is proof positive, and what the gentleman himself, if he had used a dam Fairy by Highflyer—Fairy Queen by Young The eggs in those branches which are not killed little more accuracy in his investigation, might easi Cade—Routhe's Blackeyes by Crab—Warlocke Galloway by Snake-Bald Galloway-Curwen's Bay turity by the heat of the sun, and instead of remaining "torpid until spring," according to the un the grasshopper and probably most other herbiver-rate horses of their day. The following were among the number of his immediate descendants, besides commence hatching in about a month. It is now a more than two weeks since they commenced burst-stated, are correct, and there are gentlemen, to thirteen races (4 mite heats,) won twelve, and is the only nag that ever beat Leviathan-Gallatin, Nancy the brother of Mopsqueezer for 500 guineas; he Air, Dungannon, Peggy, Lottery, Cup-bearer, Volunteer, Nestor, Dutchess, Eolus, Whiskey and Shylock.

Buzzard. Chestnut horse, imported into Virginia about the year 1801, was got by Woodpecker, dam neas each, beating seven capital horses, and receiv

Flying Whig.

Clown. Imported into North Carolina by Wm. Cain; bay horse, bred by T. Douglass, was got by Bordeaux, (brother to Florizel,) his dam by Eclipse -Crisis by Careless-Snappina by Snap-Moore's Son of Partner, out of Driver's dam by Childers.

Cœur de Lion. Bay horse, imported by Colonel Hoomes into Virginia, foaled 1790, got by Highfly-

er ont of Dido by Eclipse—Spectator—Blank.
Citizen. Imported from England in the ship Gosport, Capt. Chamberlin, and landed at Portsmouth, Va., on 26th Sept. 1803, then 17 years old. Citizen the first racers and stallions ever raised in Virginia was a most beautiful animal, stood five feet one inch high, had great grandeur and substance, a rich brown bay with black legs, full of bone, and re-markably good action. He was descended from the best stock of horses in Eugland, and was well known on the turf, having won 19 different races, and the most of them four mile heats. In a letter dated London, 1st July, 1797, it says, "that Citizen was a favourite, and ranked with Hambletonian, the most favourite horse that ever appeared on the British turf." Citizen was bred by Mr. Garforth, foaled 1786, and got by Pacolet, a son of Blank, a son of the Godolphin, his dam Princess by Turk, he by Regulus, a son of the Godolphin—Fairy Queen by Which I, and all others, who have seen him, have Young Cade—Routhe's Blackeyes by Crab—War-thought extraordinary. He was calved on the lock Galloway by Snake—Bald Galloway—Curwen's fourth instant, was weighed and measured on the Barb. Citizen got some capital racers in Virginia, morning of the fifth.—Weight, 102 lbs.—Measure and was the sire of the celebrated horse Pacolet. ment, from the back of the head to the rump, three He died in 1810, aged 24.

Cormorant. A bay horse, imported by Colonel Hoomes in 1797; bred by the Earl of Egremont, and got by Woodpecker, his dam by Squirrel—Bajazet—Regulus—Lonsdale Arabian—Darley's Arabian—Byerly Turk—Taffolet Barb.

Clifden. A bay horse, imported by Dr. Thornton, of Washington City, about the year 1799-1800. He was bred by the Earl of Derby, and got by Alfred (a son of Matchem,) his dam by Florizel, grandam by Matchem, &e.

Chariot. Bay horse, imported into North Carolina by James and Henry Line, in 1802. He was got by Highflyer, his dam Potosi by Eclipse—Blank -Godolphia Arabian—Snip—Partner—Bloody But-

tocks-Greyhound-Makeless, &c.

Chance. Bay horse, imported by Col Tayloe, was got by Lureher, (son of Dungannon,) his dam by Hyder Ally-Perdita by Herod-Fair Forester by Sloe-Forester-Partner-Croft's Bay Barb-Makeless-Brimmer-Dodsworth.

Diomed. A chestnut horse, imported into Virginia in June, 1798, by Messrs. Lamb and Younger, and purchased by them of Sir Thomas Charles Bunbury. Diomed was foaled in the spring of 1777, and was 21 years of age when imported into Virginia. The following account of this famous horse, to whom the Virginians are so much indebted for resting. He was considered one of the best racers on the English turf. At three years old, he was winner seven times without being beaten, although he contended with the best horses then running. Among the races of that year he won a sweepstake which are the most important in England, and give the winner more credit than any in the kingdom; his winnings that year amounted to five thousand

won the Fortesque stakes, 11 subscribers, 50 gni neas each; and over the Beacon Course, 4 miles and upwards, he won the Claret stakes of 200 gui by Dnx—Curiosity by Snap—Regulus—Bartlett's ing forfeit from seven others. His winnings tha Childers—Honeywood's Arabian—dam of the two Year amounted to 2580 guineas. The year he was five he did not start, having fallen lame. At sin five he did not start, having fallen lame. At six Bergamot. Imported into Virginia; bay horse, got years old be won the King's plate at Guilford, run by Highflyer—dam Priestless—Matchem—Gower ning three 4 mile heats with 168 lbs. on his back; he Stallion—Regulus—Hip—Hartley's Blind Horse—run also for the King's plate at Lewes, which he run also for the King's plate at Lewes, which he would have won had he not fallen lame. He rur this year for two other King's plates, and was the second best horse for each: they were won by Anvi and Drone, two of the best horses then on the turf He never started more, and was afterwards ranked among the best stallions in England. Diomed was got by Florizel, (one of the best sons of King He rod,) his dam by Spectator, grandam sister to Hora-tius by Blank—Flying Childers—Miss Bellvoir by Grey Grantham-Paget Turk-Betty Percival by Leedes' Arabian. Diomed was the sire of some of amongst them were Top Gallant, Wrangler, Peace Maker, Truxton, Hamlintonian, Florizel, Potomac and Sir Archy.* Diomed died about 1807-8, up wards of 30 years old.

THE FARMER.

BALTIMORE, FRIDAY, AUGUST 18, 1826.

J. S. SKINNER, Esq. Lexington, August 14, 1826.

Dear Sir .- I am anxious to have recorded in you valuable Journal, the weight and size of a bull-ealf feet six inches,-girth two feet ten inches.

This calf was got by a bull of the Improved Dur ham Short Horn breed, ont of an heifer of the same breed, both imported in the ship Franklin, in August, 1824. I was compelled to have the heife milked some days before she calved.

These facts confirm the good opinion I have always entertained of the superiority of this breed

of cattle. Should you also, believe that these fact are worthy of record, you will oblige me by com plying with my request. Truly yours, &c. D. WILLIAMSON, JR.

*There was a report in circulation some few year back that Sir Archy was not a son of Diomed, but wa got by an imported horse called Gabriel: to satisfy my self on the subject, I wrote to Col Tayloc, who bree Sir Archy, and he replied as follows: "To your inqui ries relative to the sireship of Sir Archy, I have to observe in reply that I had sold one half of Castanira (the dam of Sir Archy,) to Mr. Archihald Randolph, before Sir Archy was foaled, and that he was foaled on the south side of James river in the spring of 1805, the joint property of Mr. Randolph and myself. I believe tha Gabriel was alive in 1804, but I am very confident he ne ver covered at the same stand with Sir Archy. Gabrie and Sir Archy are something alike in form but not in colour, Gahriel being brown-can't speak positively a to marks, but have no hesitation in saying there can be to whom the Virginians are so much indebted for no doubt of Sir Archy's being got hy Diomed. Casta their present fine race of horses, cannot be uninted in a doubt of Sir Archy's being got hy Diomed. Casta their present fine race of horses, cannot be uninted in a doubt of Sir Archy's being got hy Diomed.

CONTENTS OF THIS NUMBER.

On the Enemies of the Wheat Crop-On the manage ment of Merino Sheep-On Harrowing Grain in Spring and on Artificial Grasses-Diseases of Cattle in the of 500 gs. each, and also the Derby stakes at Epsom, South-Prices of Produce, and Product of Grape crop -Prospect of Crops in Maine, and difference of Climate from the South-Science of Gardening, continued-On Distilling Apple and Peach Brandy—On American Dye Drugs—Rewards and Punishments, Praise and Blame guineas. At four years old he received forfeit from On the American Locust—Annals of the Turf, No. X.

PRICES CURRENT.

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n	COTTON YARN, No. 10, An advance of 1 cent			30						
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e	each number to No. 18.	_								
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S	FISH, Herrings, Sus.	bbl.	2 9							
•	Shad, trimmed,			00						
-	FLAXSEED, Rough,	bush	ı '	75		90		ŧ		
y	ELOUID Curantus situ					80				
	FLOUR, Superfine, city,	bbl.	4	25	4	37	4	50	4	75
y	Fine,		4	00						
f	Susquehanna, superfi.		4	00						
١;	GUNPOWDER, Balti	25 lb		00			5	50		
e	GRAIN, Ind. corn, yellow			65						
	white			67		70				
,	Wheat, Family Flour,			85		95				
)-	do Lawler & Pod now			75						
	do. Lawler, & Red, new	_				33				
	do. Red, Susque			80		83				
•	Rye,			60		65				
	Barley,	-		80	3	00				
	Clover Seed, Red	bush	3 8	373	4	25	4	75		
-	Ruta Baga Seed,	lb.	1							
	Orchard Grass Seed,	bush	1	75			2	00	800	ree
	Mangel Wurtzel Seed,	Ottoli	1	25			ĩ	50	SU	362
	Timethy Cood		2	25						
	Timothy Seed,	_) =			-	3	00		
r	Oats,	-		25		30				
ſ,	Beans, White,	_	1	70			1	87		
	HEMP, Russia, clean, .	ton	21.	5	220)				
e	Do. Country :	-	120	0	130)				
e	HOPS	lb.		12	1			25		
e	HOPS,			7		9		12		
-	LEAD Dim	1						1-		
	LEAD, Pig	lb.		61/2		8				
e	Bar	-		71				0.0		
3	LEATHER, Soal, best,	-		22		23		62		
-	MOLASSES, sugar-house	gal.	Į	46				624		75
e	Havana, 1st qual			32		34		374		
	NAILS, 6a20d	lb.		61				9		
l-	NAVAL STORES, Tar,	bbl.	1	50	1 6	321				
r	Pitch,	551.	2		,	- 2				
			1	75						
e	Turpentine, Soft,		,					40		
ď	OIL, Whale, common, .	gal.		27		!		40		
	Spermaceti, winter .			70		75		88		
S	PORK, Baltimore Mess,	bbl	11	00	11	50				
-	do. Prime,	-	8							
	PLASTER, cargo price,	ton.	4	121						
	ground,	bbl.	1 -	5Õ						
		lb.		23		3		5		
-	SOAP, Baltimore White,	lb.		12		14		18		20
S	Brown and yellow,	-		51		75		8		20
S	WHISKEY let mage			32						12
7-	WHISKEY, 1st proof, .	gal.				33	,	39		50
d	PEACH BRANDY, 4th pr			75	1	00	1	25		
i-	APPLE BRANDY, 1st pr			34		35		50		
-	APPLE BRANDY, 1st pr SUGARS, Havana White,	c.lb.	12		13	50	14		15	
e	do. Brown,		8	50	9	75				
	Louisiana,	_	S	00	9	75	10	-	11	
5	Loaf,	lb.		19		22		20		22
c	SPICES, Cloves,			70			1	00		200
e				7		12		12		10
t	Penner		,			20		25		18
-	Pepper,			63						
1	SALT, St. Ubes,	bush		43				75		
n	Liverpool ground	-		42				75		
s	SHOT, Balt. all sizes, .	clb.	9	00				12		
e	WINES, Madeira, L. P.	gal.	2	50	3	00	3	50	4	
_	do. Sicily,	_	1	15	1	20	1	50	2	00
7	Lisbon,		1	15	i	20	1	50	ĩ	
1	Claret	doz.	4		S	-	5	00		75
٠	Claret,			62	1	0=1	2	50	8	00
	Port, first quality,	gal.	1	65		85	~	00		
	WOOL, Merino, full bl'd	Ib.		30		35	1	nw	ach	led.
-	do. crossed,			20		22		outi		
2	Common, Country, .			15		20	1.	ags	100	OI
9	Skinners' or Pulled, .			201		25	1	.,92		
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AGRICULTURE.

ON THE ENEMIES OF THE WHEAT CROP By J. BUEL, OF ALBANY.

(From the Memoirs of the Board of Agriculture of the State of New York.)

The Hessian Fly.

No individual has done more to investigate this subject, and to find a remedy for the evil, probably than Mr. Worth. And we have, in a communica-tion made to the Pennsylvania Society, in 1823,* a further detail of his indefatigable labours, to advance the interests of the farmer. In this communication, Mr. Worth details the material facts, in regard to the Hessian fly, which we have quoted above, and recommends a change in the course of crops, as the most effectual remedy, viz: break up for wheat, follow with corn, and then, oats and grass-seeds—ploughing and harrowing the stubble which will be found at page 109, of this volume. Immediately after harvest, and a second time before My own practice affords a corroborating proof. In April, (May,) by which, a great number of the in1822, I sowed two pieces of spring wheat, of one April, (May,) by which, a great number of the insects will be destroyed in the pupa state, and volunteer plants will throw up to receive the deposits
of those which escape. Where pasturing is resorted to, he says the work must be completed in a
few days, and immediately after the deposit; and
lunteer plants will throw up to receive the deposits of those which escape. Where pasturing is resorted to, he says the work must be completed in a
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lunteer plants will throw up to receive the deposits of the great number of the wheat crop. One
of these teaches that the egg of the fly (or of some
other insect destructive to wheat,) is deposited in
the down and two acres, on grounds in all respects similar,
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on this subject, he mentioned a fact strongly corroborative of the opinion held by Mr. Worth and neighbour Chapman, and left the other to its fate. others, that the insect is propagated in the stubble; and that the crop is ordinarily injured in proportion to its distance from that of the preceding year. In 1820, he sowed a field on his farm in Orange county, with twenty bushels of seed, adjoining the stubble of his preceding crop, from which it was separated by a stone wall. In April, it had so fine an appearance that his neighbours thought he would have forty bushels the acre. The insect, however, soon destroyed these flattering hopes; and the whole product was reduced by its ravages to sixty bushels. The crop was far the best on the side most remote from the stubble field, and dinvinished as it approximated the stone wall, near which it was scarcely worth harvesting; and in cont of, and about the bars which connected the 1-0 fields, there was scarcely a head of grain. The Judge has no confidence in the efficacy of ste Ps.

From what has been stat J, we may draw the The Judge has no

following conclusions:

I. That the eggs of the insect are deposited upon the wheat crop in the spring and in the autumn, and often during the summer, and that in four or five days, they change to the caterpillar state.

2. That the mischief is done by the caterpillar

in September, before the severe autumnal frosts, or

during the months of April and May.

3. That the insects remain in the chrysalis during the winter, where they have been deposited and nourished.

ble weather, or poverty of soil; and that a vigorous tively harmless.

The best remedies consist of a good tilth—a haps, feeding off the crop in the spring, with sheep, or other light-footed stock.

Subject. It is to sow powdered caustic line up-them altogether, of the more elevated districts, on the crop, while the insect is in the egg, or cater-such as Delaware, Allegany, Warren, &c. IN THE CROP, while the insect is in the egg, or caterpillar, on the blade of the wheat, or even when it has lescended within the sheath. The utility of this application has been demonstrated in the experiments of my friend and neighbour, William Chapman, that even then it may be a dangerous expedient, obtained its lodgment within the sheath. I imme-manner analogous to the deposit of the maggot in unless on strong grounds, and in favourable seasons. diately sowed two bushels of lime upon one acre, the green pea: both are bottomed on the hypothe-In a conversation with Judge Burt, of the Senate, while there was a heavy dew upon the ground, ac-The limed wheat gave a good crop; the other, not nore than half a one.

The manner in which this application resuscitatd the crop, cannot be misapprehended. If applied without injuring the germ of the grain. when the egg, or caterpillar, is on the leaf, the he stock, the lime will pretty certainly reach it, shall confine my quotations to what regards the first being carried thither by the dew which falls upon only.

The Hessian fly commits its ravages more uniformly and extensively in the middle, than in the regret that he did not add the authority of his real northern states. In Virginia, Maryland and Pennare informed by Mr. Worth, the product of wheat fly, deposited on the grain when ripening; that the in Pennsylvania was lessened one half, by this and fly may be seen by the middle of June, and from other insects. Many farmers did not gather the that time till wheat is cut, flying about and lighting amount of seed sown; and some found their fields upon ears of wheat; that it deposits its eggs upon not worth reaping. Its appearance among us is the outer ends of the grain, where they may be more uncertain, and its devastations are principally seen with a good microscope or optic glass, somemade in the spring; particularly north of the High- times to the number of six or seven on one grain. lands. This difference I ascribe to climate. In some counties, of the greatest elevation, upon the the grain is sown. The warmth necessary to prohead waters of our great streams, subject to early

and each of the plants had from three to six stemsthem transversely, or crossways, and the third remain-ed attached to the plant, by a very small filament; four vered, the best method is to turn sheep upon it, and fifths of the stem being eaten away (within the sheath,) nearly the eighth of an inch in length. These stems were much withered. I supposed they had been eaten in the autumn.

At the same time I subjected to microscopic examination, a handful of wheat taken from the threshing done by weevil, as they have never been seen among us, except in a small parcel of Chili wheat, which I re-ectived last fall; and besides, the perforations were smaller than this insect makes.

* The Lawler wheat, carried from Pennsylvania to

4. That they select the weakest plants—do most and late frosts, the Hessian fly is yet unknown; mischief when the growth is checked by unfavoura- while in less elevated districts, its ravages are sometimes great, and at others trifling, or not perceptiand constant growth renders their attacks compara-ble. I think the heavy frosts, which we almost invariably experience in September, about the time 5. That there is no variety of wheat which can the wheat is sufficiently advanced to receive the long escape their ravages.* And deposit, is destructive to the egg and caterpillar, then on the blade. Hence the trifling injury expecich (but not wet,) soil—late sowing—ploughing in rienced from them in autumn. The late frosts in the stubble immediately after harvest—and, perspring, after the intervention of warm weather, which evolves the fly from the chrysalis, may prove equally fatal to them; and this may account for the I will suggest another remedy, which does not circumstance of their not proving so haneful in seem to have been noticed by any writer on this some years as in others, and of the exemption from

There are other theories in regard to the fly which deserve to be noticed, because they suggest other remedies-remedies which seem, in many instances, to have fully realized the hopes of those who have tested them; and which, should they ultimately turn out to be inefficacious against the Hessian fly, are nevertheless of acknowledged utili-And both suggest, as a remedy, the immersion of the seed before sowing, in a steep that shall posesss the property of destroying the ova of the insect,

The evidences in support of these theories are austic qualities of the lime, it is believed, prove few, and are principally drawn from the efficacy which has been found in the remedy proposed. I

A writer in the American Farmer, vol. v. p. 134, who subscribes "A Bucks county Farmer," (and we name.) states, as the result of actual observation, sylvania, it proves a dreadful scourge. In 1823, we that the insect is propagated from the eggs of the

"They remain there (continues this writer.) till duce vegetation, is sufficient to animate the insect. It bursts the shell and enters the shoot, where it lies in a torpid state till next spring, except in some found caten, within the sheaf of the lower leaf, two of instances where wheat is sown early, the fly comvered, the best method is to turn sheep upon it, and pasture it short either in the fall or winter.

> "The most effectual way to check the propagation, is in preparing the seed before sown, which should be in the following manner: Put your seed into a hogshead, tub or vat, and cover it with water; 24 hours, and the eggs will be destroyed without any injury to the seed.

> "The following brief sketch of the observations which led to the discovery above mentioned, is

No. 23. -vol. 8.

^{*} See their Memoirs, vol. 1, p. 165. † While engaged in compiling these facts, January 25, I went to the fields, and gathered a number of wheat plants, the seed of which had been soaked in brine and sprung up in my turnip field early in August, with an expectation of discovering the chrysalis. Of the first, from which the fly or bug has escaped, and others taken from three different fields, sown the 5th, 11th, which appeared half eaten. This could not have been covered with lime. Let it remain in that state about and 19th September, I selected six plants from each and the same number from the volunteer wheat. I subjected the whole to a careful examination, aided by a good microscope, but found no chrysalis. The sown plants were found to be healthy and perfect, except in plants were found to be healthy and perfect, except in one instance, in which the roots appeared dead and shrivelled, and the leaves dry. This was evidently the effect of frost, as there was no indication of injury from insects. Three stems of the volunteer wheat, (a spontaneous growth from seed scattered in harvesting,)

*The Lawler wheat, carried from Pennsylvania to Virginia, was cried up for some time, in the latter in the latter of it, it is no longer pretended. I apprehend that our exfrom insects. Three stems of the volunteer wheat, (a spontaneous growth from seed scattered in harvesting,)

*The Lawler wheat, carried from Pennsylvania to Virginia, was cried up for some time, in the latter discovery anove mentioned, is given, that all who wish to be satisfied of the truth of it, may have occular demonstration of the fact, if they will take the trouble. On viewing several grains of wheat in a microscope, something resembling the eggs of insects was observed upon them.

little earth, in a tumbler of water, and observed mends salt and ashes to be applied at the time of every day; and on the day the grain opened and sowing, and harrowed in with the grain. put forth its tender fibre, the insect burst from its shell, and was not to be seen.

roots an I blades, were taken from the glass, and and a few days earlier than those of the Hessian fir carefully examined. In three of them the insects carefully examined. In three of them the insects were found. The other fifteen remained and overspread the top of the glass. They were preserved decline in both cases about the same time, and in form of a steep, and the latter in a dry powdered the same manner; but such as are affected by this state. I never saw a smut head in my fields when till spring, when, on examining, every stock had an

insect in it, some two, and one four.

lime applied for twelve hours. It was then washed ration is lodged about the several joints, and may and the colour of the eggs was changed, and being put into a glass in like manner as the other, the wheat grew, but the eggs did not produce. The roots were transplanted and grew well; and ten bad product from the straw. The third generation, abounds most where fresh manures have been apbushels of wheat, limed as above, produced a good in the autumn, is lodged in the manner of the first, plied in quantity. These causes suggest the remercion, while the neighbouring fields suffered materials. The same remedies will contain the change has also been charged to the Heat contains the charged to the Heat contains the charged the charged to the Heat contains the charged the charged to the Heat contains the charged the ch rially, and some were almost wholly destroyed by sian fly.* The same remedies will apply to both. the fly."

George B. Evertson (whose letter upon the subject I have somehow mislaid,) has stated to me his observations upon the fly, which accord with the preceding. He saw the fly upon the heads of the grain, and afterwards, with a microscope, saw the side of the straw, in the vagina of the leaf. The eggs in the crease of the kernel, and has no doubt effects of this insect are often noticed in our whea but the egg of the insect is attached to the seed. Steeping the seed in pickle, and liming, he consi-

instance I have mentioned; and in no other instance have I sown wheat without having previously steep-

ed and limed it.

In a conversation with Mr. Lake, of the Senate, he informed me, that he formerly suffered much in have been more or less devastated.

I will only add, on this subject, the following let-

ter from Col. Armstrong, of Dutchess:

December 13, 1824.

my sced wheat into two parcels, one of which I washed earefully in a solution of unslacked lime and water, and while the mixture was in a state of ebullition. To dry the seed, it was rolled in gyp sum, and then sown in the ordinary way. The touched by the fly, while that produced by the seed not limed, was very seriously injured. I have not since been in the way of renewing the experiment; in raising wheat.

I remain, sir, yours, &c.

H. B. ARMSTRONG.

J. BUEL, Esq.

Other Insects.

Mr. Worth speaks of three kinds, other than the Hessian fly, which prey upon the wheat crop:

"That which causes the sedge, or stunt-a worm that is found in the stocks, near the root, and about the joints-and another worm that causes the early

change of colour of the ear."*

The first, Mr. W. does not pretend to identify; but he conjectures it to be a species of aphis, or plant louse, which preys upon the roots in autumn and winter; causes the plant to throw out new roots

Twenty grains were selected with those appear and assume a sedge like appearance in the spring, which it may contain.* The evidences of the utiliances; they were put upon some raw cotton and a He thinks it harbours in the ground, and recomply the spring of the utiliances.

of an inch long, pale yellow, with brown spots about this intention. The reader will, however, find some "Ten days after, five of the grains, with their its mouth. The deposits are made thrice a year, "The ravages of the first generation have usually and observation strongly recommend the use of insect, can readily be distinguished by an enlarge-"Twenty other grains were selected, and the ment of the culm near the roots. The second genefrequently be found in apparently healthy plants. This generation must materially lessen the quantity ened. The mildew or rust is generated, or propa-of grain, and I conceive the principal cause of the gated, by a moist, hot, and close atmosphere, and of grain, and I conceive the principal cause of the bad product from the straw. The third generation,

> that the larva is lodged in the cavity of the straw of straw and weeds, by applying the manure first above the upper joint; is about the fourth of at to a hoed crop, which will extirpate the weeds in inch long, of a glossy white; and that the pupa is troduced by the manure, and deprive the latter of more green than the larva, and is found on the out its heat. fields, but hitherto the injury has been too trifling

to excite alarm.

Mr. L. Carter, of Virginia, has described a spe I never found the fly in my fields, except in the cies of moth, which preys upon wheat. According to his opinion, the egg is lodged in the grain before it hardens. When the grain is threshed, and lail To Jesse Buel, Esq., in heaps, the grain heats, and the egg hatchet.

Dear Sir—Agree otherwise, it lies dormant until spring.

In 1807, a new disease appeared in the wheat is he informed me, that he formerly suffered much in his wheat crop from smut and insects; that, having heard steeping in brine and liming recommended as a remedy for these evils, he subjected his seed to this process, and has pursued the practice since that time: that his erops have been uniformly healthy and abundant, while those in his neighbourhood have been more or less devastated.

In 1807, a new disease appeared in the wheat it though the wheat it though the sufficient importance, you are at the erops were nearly destroyed. The main or to liberty to make them public, for the benefit of others roots were destroyed, apparently by an insect; the engaged in that important branch of agriculture.

It will be recollected, that in the summer of 1822 the drought was severe in many parts of our country. In the country of Cayuga, where I reside, and have been more or less devastated. remedy in a dressing of lime and rotten compost former year, since the settlement of the county,

upon the growing crop.t

"My wheat crop having, in 1819, suffered severecloses facts before unobserved. On searching for
ly from the fly, in the autumn of that year I divided
my seed wheat into two parcels, one of which I
respect to the server of th dead, and decayed, like rotten flax, and found upon less than the usual quantity of it. them a number of very small white worms, ex-tremely lively, and from \$\frac{1}{2}\$ inch in length. He feeding them, at which time \$\frac{1}{2}\$ had only about nine

truth among a contrariety of opinions, without hay to form a cud, except that in extreme cold knowing when we have attained our object. weather, I directed them to be full fed on hay.

Hatchel, and after him Professor Couper, recom-

* Memoirs Penn. Agric. Society, vol. 1, p. 165.

It was my intention to have collected the authorities upon the causes and prevention of Smut, Mil-The worm in the stalk is about three sixteents dew, &c.; but other avocations prevent my fulfilling excellent selections upon these diseases in this volume. I will barely remark, that my own practice the seed had been thus prepared. And when it is considered that lime certainly has proved efficacious against the fly, or some other insect enemy, the inducement for giving it a fair trial is greatly strengthby laying the lands (especially if level,) in parrow Of the third species, we are merely informed ridges; and to prevent a too luxuriant growth, both

ON WINTERING SHEEP.

By Jedediah Morgan, of Caruga.

(From the Memoirs of the Board of Agriculture of the State of New York.)

Dear Sir-Agreeably to your request, I herewith transmit a brief statement of the facts and observations, in relation to the keeping of sheep; and should

Our meacows were so much parched, that we did There was published in the Utica Patriot, of July not secure nore than one third of the hay we do in 1804, a communication signed P. Colt, which dis-ordinary season. At this time, my flock consisted of

sum, and then sown in the ordinary way. The also found, in the more decayed fibres, "insects in other parcel was not limed, but in all other respects a quiet or dead state, or more properly speaking, in treated like the preceding. The result was, that a state of absolute rest, and of the colour of a ripe giving them, say half a gill of corn per day, in the the crop produced by the limed seed remained un-flax-seed, though not of that shape."

Our fractile flax and of the colour of a ripe giving them, say half a gill of corn per day, in the ear, dividing it so as to give half of it in the morn-Our knowledge of the insects which prey upon ing, and the residue in the evening, except that to wheat is yet so imperfect, that it is impossible to the lambs I gave nearly the same quantity of oats ascertain their number, or to identify or describe in the sheaf. I fed in this way, until about the first but earnestly recommend it to all who are engaged particular species. Genanin enumerates fifty kinds of January following, when the quantity of grain which are known in Europe as enemies to the corn crop. We know only a few, and those but impersectly. And even the Hessian fly, whose ravages ally fed to my 380 sheep, 145 bushels of corn, and have caused the loss of millions of dollars, and to the 120 lambs, 40 bushels of oats, which would whose devastations have been earried on under our be something less than a gill of corn and oats per own observation for almost fifty years, is so imperhead, per day, to both sheep and lambs, during the feetly known, that we are compelled to grope for winter. The flock had little more than enough of

In this manner, 500 sheep were wintered, with mend immersing seed wheat in scalding water of the loss of only three lambs; and at the opening of 190° or 205° for five or ten minutes, as an effectual the spring, they were in better health and condition means of destroying the seeds of smut or insects than any flock I ever wintered in any former season, since I have been engaged in rearing sheep and

growing wool.

[†] Transactions American Phil. Society, vol. 1. † See Memoirs of Phila. Agric. Society, vol. 1, p. 125.

^{*} Dom. Ency., art. Wheat.

sheep through the winter, as follows: Nine tons of hay, . . . at \$7.00 .

 145 bushels of corn,
 0.31
 75.25

 40 do.
 oats,
 0.19
 7.60

 Salt, with the hay, &c.
 5.00

 Attendance of shepherd,
 20.00

\$171.55

I have adopted the same course with my sheep, this winter, and from letters recently received from my son, who has the charge of the flock, I enterain a confident expectation of the same result.

Albany, March 18, 1824.

SHEEP AND WOOL.

White Port, July 30, 1826. MR. SKINNER,

viduals for sale or use—and what is meant by this sheep of this description: attention must be paid to attention is not what many erroneously suppose (high the rams, but particularly the wethers, that the urifeeding,) but a general regard to their constitution nal passage be not intercepted by the great growth and habits, limited only by our knowledge of their of long wool surrounding it; from the accumulation peculiar nature. If such could be obtained, (which of filth a mortification frequently takes place, if an is scarcely presumable in every district of our couninch or two of the wool is not shorn from around try,) with occasional shifts, uniform salting, and the part. I have formerly lost some of my best water at particular seasons. As it regards food, wethers for the want of this precaution. With my The interest you have taken in the improvement sheep cannot be better treated, summer or winter, best wishes for the increasing usefulness of the Farof sheep as one of the most important relations in than in the use of a blue grass pasture, save when your editorial charge, and the politeness you have the snow is on the ground; then hay or trough-feed extended to my communications on the subject, in- must be resorted to, as circumstances may require. duces me to make you a farther offering of the re- But I have not, for the last three winters, fed with sult of our shearing on the 27th of May last. In so any thing more than an abundance of wheat straw, doing, I trust you will not consider it a mere chal-since there were but few days at a time excluding lenge with the vain glorious anticipation of superi- them from their pasture. As it regards uniformity J. S. Skinner, Esq. ority, but, as has been heretofore suggested, with of keep, it must be evident that an exuberant sumthe view of bringing out reports from others who mer's grazing, followed by a dry, coarse and indifhave sheep worth propagating from, and to compare ferent wintering, will have a wonderful influence in and estimate their value in their different capacities of usefulness. Last year, it is remembered that a small flock in the state of Maryland sheared a greater average by a pound to the fleece, than any greater average by a pound to the fleece, than any grass, affording little nutrition, or unaccompanied or indeed any 1 have known or heard of grass, affording little nutrition, or unaccompanied by a sufficient supply of salt and meal as a conditional fleeter or the same field, or the same field or the same field, or the same field, or the same field or the same field, or the same field or the same field, or the same field, or the same field or the same field, or the same field, or the same field or the same field, or the same field, or the same field, or the same field or the same field, or the same field, or the same field or the same field or the same field or the same field, or the same field or the sa and estimate their value in their different capacities deteriorating both the form and fleece of an animal over every other grass, has never been so fully of usefulness. Last year, it is remembered that a so susceptible of change as the sheep, and on the brought under my view as during the present scathese sheep have wool of good quality, and other properties corresponding in a reasonable degree, the owner would but do them justice by giving the public a better knowledge of them. The honoural idid not intend. In conclusion, I must express a ble competition amongst the fine wool growers, will belief, that most farmers will meet with similar sucserve in part as a stimulus to those who breed more cess, if they do not overstock themselves; in a pefor quantity, permit me to suggest the importance riod, governed in a measure by the quality of stock of giving an additional impulse to such as feel and they begin their improvements on, if they will perinterest in raising an abundance of good wool for domestic purposes on a valuable carcase. If it is be observed, then uniting in their fleece length and most advantageous for our Eastern, and a portion closeness—from 6 to 8 or 10 inches are good mediof our Western country to raise sheep principally in lengths; when the fibre is extended more than 12, for their wool as an article of sale at is not less im it would have a tendency to degenerate into hairy portant that we should raise it can inferior quality wool, or become so thin as to be light and unproon animals, otherwise better suited to the supply of
our wants, in order to seet the demands of our
purely domestic manufactures—such being the napossible to put on the back of one of our large ture of much of our Southern population as to require an abundard supply of strong, warm, cheap, to 200, wool as close as that of a Spanish Merino, fabrick, made with most economy by every head of with the length of 10 or 12 inches, more than 30 thorough the pages of warm population as to require an abundard supply of strong, warm, cheap, to 200, wool as close as that of a Spanish Merino, fabrick, made with most economy by every head of with the length of 10 or 12 inches, more than 30 thorough the pages of warm population as to require an abundard supply of strong, warm, cheap, to 200, wool as close as that of a Spanish Merino, fabrick, made with most economy by every head of with the length of 10 or 12 inches, more than 30 thorough the pages of warm population as to require an abundard supply of strong warm, cheap, to 200, wool as close as that of a Spanish Merino, fabrick, made with most economy by every head of with the length of 10 or 12 inches, more than 30 thorough the pages of warm population as to require an abundard supply of strong warm, cheap, to 200, wool as close as that of a Spanish Merino, fabrick, made with most economy by every head of with the length of 10 or 12 inches, more than 30 the pages of warm population as to require an abundard supply of strong warm, cheap, to 200, wool as close as that of a Spanish Merino, the pages of warm population as the page of the pages of warm population as the page of the page of the page of warm population as the page of a family, a sirplus of wool may be vended to our pounds might be obtained to the fleece. The near-Eastern bethren, or exchanged for some of their est approach to this in uniting quantity and quality; more possibled fabricks. I have thought, sir, in in judiciously combining length and compactness mentioning the facts of my last shearing, that it of fleece, is a secret well worth the attention of might add something to the interest of one of those every breeder. I would venture an opinion, found-useful and agreeable monthly meetings of your ed only on my little experience, that with a tolera-Trustees to have before them samples of wool taken bly skilful intermixture of the close woolled Spanish from sheep of the first shear, producing in the dirt Merino and our country breeds, that sheep of a from 11 to 16½ pounds Seven rams, from 14 to 18 distinguishing variety may be raised, to an extent months old, being spring and fall lambs, sheared 11. months old, being spring and fall fambs, sheared 17. That and perfectly to meet the definance of every species of manufacture wherein pure wool is remore than 13½ pounds. Rams, wethers, and year old ewes, to the number of 29, sheared 302 lbs. an average of 10 6-16 of a lb. Thirty five ewes, citer with lambs by their sides, or having had then the last spring, (with the exception of 7 fall lambs) sheep. Far from it, if we neglect to profit by the they looked green and well. The soil, though santhey are also as a spring of 63 pearly. Many before us it will be our own fault. Lest the weight tropical grains, vegetables, see in perfection. sheared 234 lbs an average of 63 nearly. Many before us, it will be our own fault. Lest the weight tropical grains, vegetables, &c. in perfection.

ewes varied from 8 to as high as 14½. The total of wool here reported should be too trying to the average of 64 sheep is 8 3-8 lbs. The seven rams' credulity of some of your readers, and our anticipations be uttered and weighed in the presence of several neighbours and gentlemen of the adjoint of several neighbours ing counties, and the rest, with the exception of six 30 pounds, if not more, have been shorn from sheep, or eight medium fleeces, by one of them. A little Our approaches to this have been but feeble; sheep of ordinary size rarely ever shear more than 8 or Gambia.

I estimate the expense of keeping my flock of 500 dinary at 10 or 12 lbs., anticipations of 15 or 16 10 pounds of good wool, except they are enveloped were thought entirely visionary. I am clearly of in their fleeces; that is, so far as to have their legs opinion there is still great room for improvement, to the knee, and their bellies covered, which is the and believe that in three years (barring accidents,) case with those in question, especially under the individual fleeces will be nearer 20 than 16 lbs., and latter part, of from 3 to 6 inches long, of good quaan average obtained of more than 10 lbs.; this will lity for domestic purposes. It is in a proportionate be the result (if realized,) of crosses by sheep pro- degree owing to this circumstance that such weights ducing long and short wool, similar to such as is en- are obtained; and the greater the quantity of wool closed. A great average can only be obtained by carried on such parts, finer, closer, and longer, so the most uniform attention to the order of the flock, besides annually marking the least productive indi-

I am, respectfully, yours, R. K. MEADE:

ORCHARD GRASS.

August 11, 1826.

Sir,-Although I have cultivated orchard grass for several years, and have observed and heard of many of its valuable properties, yet its superiority before. And although I had before witnessed the great rapidity of its growth, yet I was nevertheless astonished in walking over the field to-day to find the grass very nearly knee high where it had been closely mown only three weeks before, and when the timothy adjoining it would hardly furnish a bite for a sheep. Indeed, I have no doubt but that I shall, in the course of a few weeks, cut as heavy a crop of hay from this same ground as I have ever sc-

The great advantage of a grass which recovers so soon from the scythe and the tnoth, are so plvious as to render it unnecessary to enlarge on the subject; indeed my object in making this communiformation, to the pages of your useful journal, in which ample justice has been done this invaluable grass by several of your correspondents who have had longer experience and closer observation of it than myself.

I am, with respect, your obed't serv't,

COTTON.

(From Gray's Travels in Africa, p. 64, Lond. ed. 1825.)

a little hill under the shade of some few large trees, somewhat resembling the horse chestnut, except portion of the soil. The chance then is, that it is stopping up the orifices of the vessels of the plant, that the trunk is covered with large sharp protube-rances in the shape of thorns. It produces a quan-again converted into vegetable nourishment, and preventing the admission of too much water: rances in the shape of thorns. It produces a quantity of silky cotton, in pods of an oval shape, about the plant, because it is not wholly soluble in water, are found by analysis in the very substance of the

WHITE FLINT WHEAT.

good time and style, on good land; the grain is shrivelled and very imperfect. It will not suit the bottom lands of James river, it is too late, has too much blade and sap; and in any climate will be liable to rust and mildew. I consider it a catch-penny, for I have known the kind of wheat for 35 years, called the big white wheat, and by some called the long drought, but shall make bread in this section; in our maritime counties, it is said, the prospect is Respectfully, yours, CHARLES YANCEY. alarming.

PROSPECT OF CROPS.

DEAR SIR, Bath, N. C. Aug. 5, 1826.

Early in April we had some rain; since that time ever known with us. Our corn crops are now too tar advanced in age to derive much benefit from any change of weather, however favourable. They are a melaocholy spectacle. Some fields nearly barren; others promise a fourth or third, and low grounds but half or two thirds of a crop.

Oats pretty generally failed. The cotton crops

are much injured, but are more promising than corn.

JOSEPH BONNER.

HORTICULTURE.

SCIENCE OF GARDENING.

(From Loudon's Encyclopedia of Gardening.) FUNCTIONS OF VEGETABLES.

Food of the vegetating Plant.

Vegetable Extract. When it was found that atmospheric air and water are not, even conjointly. capable of furnishing the whole of the aliment necessary to the development of the plant, it was then alleged that, with the exception of water, all substances constituting a vegetable food must at least and sulphate of potass or soda, as has been already as medicinal virtues; and, if the necessary course of be administered to the plant in a gaseous state. But this also is a conjecture unsupported by proof; and the root is supposed to absorb them in solution fatigably persevered in, in order to avail ourselves for even with regard to such plants as grow upon with the water by which the plant is nourished. of a knowledge of the hidden treasures that at prethe barren rock, or in pure sand, it cannot be said It is at least certain that plants may be made to sent lie concealed within the womb of future discothat they receive no nourishment whatever besides take up by the roots a considerable proportion of very; few years would elapse before we should have water, except in a gaseous state. Many of the particles of decayed animal and vegetable substances are thus taken up by the root of the vegetating introduction into our markets, of additional esculenwhich float in the atmosphere and attach themselves plant, does it appear that they are taken up as a lia, the gustation of many of which, might be equal to the leaves, must be supposed to enter the plant to the leaves, must be supposed to enter the plant food? Some plants, it must be confessed, are inin point of delicacy and richness, to many vegetain solution with the moisture which the leaves injured by the application of salts, as is evident from bles that are cultivated by our Horticulturists. ble nourishment; and they will perhaps be found to of sulphate of lime, though many other plants are every advantage that presented, of testing and exbetaken up by the plant in proportion to their denot at all influenced by its action. The Parietaria amining the virtues of plants, with a view of compared of solubility in water, and to the quantity in nettle and borage will not thrive, except in such municating the successful results to the community.

five inches long and four in circumference. The natives do not make any use of it; they prefer the common cotton, from which they manufacture all their clothes."

The part of it, however, is soluble, and consequently plant, and must consequently have entered in solucian to the substance which has been denominated extract. Saussure filled a large vessel with pure mould of hasten the putrefaction of vegetable substances. turf, and moistened it with distilled or rain water, contained in the soil, or attract the humidity of the till it was saturated. At the end of five days, when a mosphere. But sulphate of lime is not deliquesit was subjected to the action of the press, 10,000 cent; and if its action consist merely in accelerat-Buckingham, Va., Aug. 10, 1826.

I thank you for your attention in ordering the white flint wheat; I got 7 bushels, which with all charges cost me \$3 per bushel, which was seeded in dung, 10,000 parts of fluid yielded 10 of extract, grain crops which interest the agriculturist, there And in a similar experiment upon mould taken from exists a particular saline substance, peculiar to each, a well cultivated corn field, 10,000 parts of fluid so, if we turn our attention to the clovers, and turyielded 4 parts of extract. Such was the result in pips, we shall still find the same discrimination. these particular cases. But the quantity of extract Saintfoin, clover, and lucern, have long been known that may be separated from pure mould formed by to contain a notable quantity of gypsum (sulphate nature upon the surface of the globe is not in gene- of lime;) but such knowledge, very strange to rebig Bedford. We are labouring under a second ral very considerable. After twelve decoctions, all late, never led to the adoption of gypsum as a mathat could be separated from mould of this sort was pure for those crops, any more than that of phosabout one-eleventh of its weight; and yet this seems phate of lime for wheat, or nitrate of soda, or potassa for barley. It is true that gypsum has been tation: for a mould containing this quantity was long, and in various places, recommended as a mafound by experiment to be less fertile, at least for mere; but its uses not being understood, it was repeas and beans, than a mould that contained only commended without any reference to crop, or inone half or two-thirds the quantity. But if the deed to the accomplishment of any fixed object. quantity of extract must not be too much, neither lt is very well known that some particular ingremust it be too little. Plants that were put to vege- dient may be essential to the composition of a body, we have experienced the most excessive drought tate in mould deprived of its extract, as far as re- aid yet make but a very small proportion of its peated decoctions could deprive it, were found to mass. Atmospheric air contains only about one be much less vigorous and luxuriant than plants vepert in the 100th of the carbonic acid; and yet no getating in mould not deprived of its extract: and one will venture to affirm that carbonic acid gas yet the only perceptible difference between them is, is merely an adventitious and accidental element that the former can imbibe and retain a much etisting by chance in the air of the atmosphere, greater quantity of water than the latter. From and not an essential ingredient in its composition. this last experiment, as well as from the great proportion in which it exists in the living plant, it eviportion of animal bodies, perhaps not one part in dently follows that extract constitutes a vegetable 500; and yet no one doubts that it is essential to dently follows that extract constitutes a vegetable food. But extract contains nitrogen, for it yields by distillation a fluid impregnated with ammonia. The difficulty, therefore, of accounting for the introduction of nitrogen into the vegetating plant, as (To be continued.) well as for its existence in the mature vegetable substance, is done away; for although the plant re-fuses it when presented in a gaseous state, it is plain that it must admit it along with the extract. It seems also probable that a small quantity of carbonic acid gas enters the plant along with the extractive principle, as it is known to contain this gas

Most plants are found by analysis to contain a certain proportion of salts, such as nitrate, muriate, ble productions, possess alimonious qualries as well shown. These salts are known to exist in the soil, experimental investigation was adopted, and indesalts in a state of artificial solution. But if salts the pleasure of congratulating ourselves upon the bibe; and so also similar substances contained in the experiments of Saussure; but others are as evithe soil must be supposed to enter it by the root: dently benefited by it. Trefoil and lucern have introduction of nutritious articles into the Materia but these substances may certainly contain vegeta-their growth much accelerated by the application Alimentaria, have induced me to avail myself of which they exist in the soil. Now, one of the most soils as contain nitrate of lime or nitrate of potass;

inhabited by Bushreens, and very prettily situated on converted into dust or vegetable mould, which, as taken up by the root, though converted to purposes

(To be continued.)

REMARKS ON THE ASCLEPIAS SYRIACA, OR COMMON SILK-WEED.

By William Zollickoffer, A. D. C. M. M. B. S. of London.

To J. S. SKINNER, Esq.

There is but little doubt, but what a very considerable number of our unknown indigenous vegeta-

Considerations arising from the importance of the

During the prosecution of these inquiries, my atimportant of these substances is vegetable extract, and plants inhabiting the sea coast, as was observed by Duhamel, will not thrive in a soil that served by Duhamel, will not thrive in a soil that paper; the result of which, I with pleasure transmit operate upon them, till they at length die and are rican Farmer.

on the account of its being esculent, delicious, and nutritive, and when served up in the ordinary way in which the Asparagus officinalis is prepared, is by no means inferior to this article.

The genus Asclepias, is stated to have received its name from its discoverer, Asclepias, or from Esculapius, the god of Medicine. The species under consideration, ranks in the class Pentandria, the order Digynia, and in the natural orders, or families of Contortæ of Linnæus, and Apocynæ of Jus-

Generic Character.

Calix, a permanent perianthium, divided into five petal, which is divided into five deep segments at the mouth. Fruit consists of two follids, containing a considerable number of imbricated seeds, winged with down. The flowers are borne on solitary peduncles, several together in umbels, and surrounded with a many leaved involucre.

Specific Character.

and tongue shaped, resting on short footstalks, these are alternate and opposite-It grows from three to five feet high, and delights in a rich and prolific indigo rolled up in a very simple state." soil, inhabiting generally, creeks and rivulets, and other lone moist situations.

Chemical investigation.

In the course of the prosecution of an analysis of the Asclepias Syriaca, I digested several portions of the plant, previously reduced to powder, in sulphuric æther, and also in alcohol. The ætherial solution gave a precipitate upon the addition of alcohol. The alcoholic preparation assumed a pearly turbidness when distilled water was added. From these results we may conclude that this plant contains caoutchouc and resin. The ætherial and alcoholic solutions, upon being evaporated, afforded a residuum, which burst with great vividness, and exhibited a flame analogous to that resulting from the combustion of the spirits of wine. No results were obtained from adding gelatin, and the sulplate of iron to the infusion or decoction, from which it may reasonably be inferred, that it contains neither tannin or gallic acid.

Economical uses.

We are informed, that in Canada, many persons are in the habit of gathering the flower in the morning before the dew is off, from which they manufacture a kind of sugar; and that those persons who cannot procure feather beds, are in the babit of filling them with the downy substance attached to the

Medicinal character.

The cortical part of the root of the Syriaca, is employed for medical purposes; and it has been exhibited as an expectorant in some cases with very good effect. It possesses a slight share of narcotic power, but not in a sufficient degree to entitle it to a place in the class of narcotic remedies.

RURAL ECONOMY.

ON THE WILD INDIGO PLANT AS A SUB-STITUTE FOR WOAD.

(From Partridge's Practical Treatise on Dyeing.)

deem it worthy of an insertion in your useful "Ame-bran and madder, to assist the fermentation of the ties, those farmers who have machines of this sort Justly entitled to the notice and consideration of those succulent juices in which their value chiefly skilful mechanick, who executed my work-his the lovers of good eating, is the Asclepias Syriaca, consist, yet they answered far beyond my expecta- name is Thomas Young, and his address Conway tion; for the liquors, so long as I was enabled to street, near the corner of Sharp street. supply them with it, worked much more freely and more vigorously than in the usual way; and although this experiment was not decisive, for want of a sufficient quantity, and from the plant being too old when gathered, yet I am convinced, by the effect produced, that it might be used to considerable advantage. In Bancroft's first volume on permanent colours, this article is noticed as follows:

"It is well known, according to Mr. Clarkson, that the African dyers are superior to those of any

other part of the globe.

"The blue dye is so much more beautiful and peracute segments. The corolla consists of a single manent, than that which is extracted from the same plant in other parts, that many have been led to doubt whether the African cloths brought into England were dyed with indigo or not. They apprehended, that the colours in these, must have proceeded from another weed, or have been an extraction from some of the woods which are celebrated for dying there. The matter, however, has been Specific Character. clearly ascertained: a gentleman procured two or Asclepias Syriaca—Flowers purple—leaves large three of the bales, which had been just prepared by

> it to test the superiority of the colour attributed to itight, and shook it five ur six minutes every two it; and if it should be found to possess the qualities liours, taking care, after shaking, to pull out the it; and if it should be found to possess the qualities ascribed to it, of which there appears to be but little room for doubt, it would become an object of must, issued from it. Twenty-four hours afterare now decidedly deficient.

> gathered; that when a ball is made, it ferments and warm, be emptied it out, leaving the barrel to drain, exudes sufficient moisture to cause an adhesion of and bunged it up very tight, till it should be wanted the mass; and that this process developes the co- for use. A greater quantity of cow-dung, salt, and louring matter, so as to enable a vat to extract it alum, than the above will not injure the operation. with sufficient facility,

The indigo made from the wild plant, is said to be of much better quality than that which is obtained from the cultivated; but that the former does not afford so great a quantity as the latter.

THRESHING MACHINE AND HORSE MILL. Cedar Park, August 3, 1826.

I have just had my threshing machine repaired, and find, that in consequence of the uncommon fidelity and skilfulness of the mechanic, who has articles generally under the Ladies' Department, I done the work, it will clean more wheat by 50 have been much gratified, and especially with the bushels a day, and do it with less labour (although "Whispers" to newly married people, and others power, which I have used for several years, and had been frequently, very much disposed to abandon, its evils and its motives to such a degree, as to renin consequence of its working so badly, although it der the reading of the essay disgusting, as he has had in the mean time been overhauled and repaired done by his gross calumnies on the female part of by several professed millwrights, he has put it in mankind. such order, that it now grinds a third more meal, with about half the labour of the team. The wheat The wild indigo plant growing every where in this country, ought to be brought into use for the blue dye. I gathered some in the fall of 1821, too late in the season to obtain it in maturity, and had it boiled, and used the liquor in place of swill from tioned these facts in hopes of benefiting both par-

vats. The plants were too old to retain much of on their estates, and the faithful, industrious, and

Yours, &c. JOHN MERCER.

[There are few improvements in which farmers are more deeply and generally interested than in those connected with the preparation of grain for market or domestic consumption: hence, we avail ourselves of Col. Mercer's permission to publish the above. It would have been yet more satisfactory, if he had stated the force necessary for working the threshing machine and the horse mill, and the quantity that each will do, as well as the first cost of each.]

METHOD OF CLEANING MUSTY CASKS. By M. LENORMANDES.

From the Annales des Arts et Manufactures.*

The author mentions, that he was taught the secret by a countryman.—He took, says he, "cowdung very fresh, and diluted it with warm water, so as to make it sufficiently liquid to pass readily through a large tunnel. He previously dissolved in this the Africans for use: he brought them home, and water 4 lbs. of common marine salt, and one pound upon examination, found them to be the leaves of of alum. The quantity of this liquid, was equal to about a sixteenth part of the capacity of the cask. As this plant is found every where in the United He put the whole in a pot, and heated it to ebulistates, and in many places in great abundance, it tion, stirring it continually with a wooden spatula. States, and in many places in great abundance, it tion, stirring it continually with a wooden spatula. would be well to have some experiments made on He poured the hot liquor into the barrel, bunged it great national importance, inasmuch, as the colour wards, he rinsed the barrel till the water came from made from it would be superior to those obtained it perfectly clear. During this operation, some wafrom Europe, and thereby give to the American fater was heated, in which had been put two pounds bries a preference in the blue dye, in which they of salt, and half a pound of alum, which he poured quite hot into the barrel; he shook it once, as in I apprehend these balls are made by simply the former operation, and left the barrel well placing the leaves together face ways as they are bunged. Two hours after, the water being still -Cow-dung must be used, that of oxen is use-

LADIES' DEPARTMENT.

[From a female Correspondent in South Carolina.]

Sir,-I cannot help telling you that I am very much pleased with your plan of appropriating a portion of the American Farmer to readings for the female portion of the farmer's family. With the to correct a bad practice, we must not exaggerate

On this subject, I have never seen any thing superior to the enclosed extract from Letter XXIII. on machine will thresh with great ease one day with the Education of Venus, 2d volume of "Lettres a another, 150 bushels of purple straw wheat, which Emilie sur la Mythologie, par C. A. Demoustier." is amongst the most difficult to clean, and allow a The whole work from which it is taken is elegant.

will send you a translation. I know of nothing EASY METHOD OF JUBGING OF THE GOODNESS OF equal, much less superior on the subject.

ELEGANT EXTRACT.

"Unjour, Cypris, vous serez mère, N'abandonnez jamais le fruit de nos amours Aux mains d'une mère étroujère. Nourrissez notre fils; remplisses nos beauxjours Des soins intéressantes de ce saint ministère. Les jours pour le plaisir ne seront point perdus: La nature, aux bons cœurs, donne pour récompense Des devoirs les plus assidus

Les plus douces des jouissances. Vous les mériterez: de votre nourrisson Une outre n'aurapas la première caresse. Vous jouirez avec ivresse Des prénnies de la tendresse Et des eclairs de la raison. Souvent, tandes que de sa mère Ses levres presseront le sein, En admirant son minois enfantin, Vois croires démêter quelques traits de son père. Mors nous sentirez palquiter votre cœur Du plaisir de trouver l'auteur dans son ouvrage, Et de l'espoir de voir croître, sons votre ombrage,

METHOD OF DETECTING THE PRESENCE OF ALUM IN BREAD.

Le fruit dont vous aurez alimente la fleur."

Pour upon two ounces of the suspected bread, stirring and to half a pint of boiling distilled water; boil the mixture the process." for a few minutes, and filter it through unsized paper. Evaporate the fluid, to about one fourth of its original bulk, and let gradually fall into the clear fluid a solution of muriate of barytes. If a copious white precipitate ensues, which does not disappear by the addition of pure nitric acid, the presence of alum may be suspected. Bread, made without alum, produces, when assayed in this manner, merely a very slight precipitate, which originates from a minute portion of sulphate of magnesia contained in all common salt of commerce; and bread made with to inform me, whether there have been any decisalt freed from sulphate of magnesia, produces an sions in Maryland, similar in principal, to what is passed February 21, 1786, very much like that infusion with water, which does not become disturb laid down by Mr. Boyle, as the laws of trespass or which New York subsequently passed. infusion with water, which does not become disturbed by the barytic test.

Other means of detecting all the constituent parts of alum, namely, the alumine, sulphuric acid, and lume, does not appear clear. potash, so as to render the presence of the alum unequivocal, will readily suggest itself to those who my woods and his fields; my cattle go over his deare familiar with analytical chemistry; namely: one cayed pannels and he sues me for damages, and I of the readiest means is, to decompose the vegeta- fear he will recover, though I prove his fence to be made at their joint expense, if the estates are ento assay the residuary mass—by means of muriate and that decisions have been given to this effect, is not bound to contribute to it." This is, in fact, of barytes, for sulphuric acid; by ammonia, for aluthat every man must keep up his cattle, and that if the pith of the whole affair. If a division fence mine; and by muriate of platina, for potash.* The they run upon another's land, though uninclosed, or above method of detecting the presence of alum, with an insufficient fence, the owner of the cattle is to keep it in repair, unless one of them can make it must therefore be taken with some limitation.

There is no unequivocal test for detecting in a lutely free from foreign saline substances, the mode from you. of detecting the presence of alum, or at least one of its constituent parts, namely, the sulphuric acid, would be very easy. Some conjecture may, never-theless, be formed of the presence, or absence, of of Annapolis, with the request of the Editor of the repair. alum, by assaying the infusion of bread in the manner stated, and comparing the assay with the results afforded by an infusion of home-made or household bread, known to be genuine, and actually assayed in a similar manner.

BREAD-CORN, AND BREAD-FLOUR.

Millers judge of the goodness of bread corn by the quantity of bran which the grain produces.

Such grains as are full and plump, that have a bright and shining appearance, without any shrivelling and shrinking in the covering of the skin, are the best; for wrinkled grains have a greater quantity of skin, or bran, than such as are sound or plump.

Pastry-cooks and bakers judge of the goodness of flour in the manner in which it comports itself in kneading. The best kind of wheaten flour assumes, at the instant it is formed into paste by the addition of water, a very glucy, ductile, and elastic paste, easy to be kneaded, and which may be elongated, flattened, and drawn in every direction, without breaking.

For the following fact we are indebted to Mr Hatchet.

"Grain which has been heated or burnt in the stack, may in the following manner be rendered fit for being made into bread:

"The wheat must be put into a vessel capable of holding at least three times the quantity, and the vessel filled with boiling water; the grain should then be occasionally stirred, and the hollow decayed grains, which toat, may be removed. When the water has become cold, or in about half an hour, it is drawn off. Then rince the corn with cold water. and, having completely drained it, spread it thinly on the floor of a kiln, and thus thoroughly dry it, stirring and turning it frequently during this part of

MISCELLANEOUS.

LAW OF TRESPASS.

[From a Correspondent.]

Washington, Aug. 3, 1826. MY DEAR SIR,

Pardon me for trespassing upon your time-but I would be much obliged to you if you have the means damage feasant, and published in Vol. 6, American Farmer; the case he refers to, in the previous vo-

My neighbour will not repair his fence hetwixt potash, in a platina crucible, at a red heat, and then the old law of Maryland, 1715, is not applicable, liable to damages.

If decisions in Maryland have been given in conready manner the presence of alum in bread, on ac- formity with Mr. Boyle's opinion, which appears the count of the impurity of the common sait used in only true principle, the publication of one or more the making of bread. If we could, in the ordinary of them would have a good effect in saving expenses way of bread making, employ common salt, abso- of litigation. If you have leisure pray let me hear Believe ine,

Very truly, yours, &c. CHARLES J. NOURSE.

American Farmer, to make some notes upon it; he has politely communicated the following; the subject is highly interesting to every land holder.]

Mr. Skinner,

In answer to Mr. Nourse's letter which you have R. 90.) forwarded to me, I have no remark to make ex-

* Phil. Trans. for 1817, part i.

cepting that the act of April, 1715, ch. 3t, has not been acted upon. The juries have invariably set their faces against that act, for reasons which it would be difficult to explain. In some cases because they thought the Act of Assembly applied only to horses, and in others, because they were of opinion tne fence for general purposes was too high. No decision has been made by the Court of Appeals on that act, mentioned in Mr. Nourse's letter. I have no hesitation in saying that the act will not extend to any beasts damage feasant, except "horses, mares, colts and geldings."

The law relating to beasts damage feasant, as mentioned in my letter, published in Vol. 6, p. 308, is the common law, and forms a part of the law of Maryland. The law of trespass is there fully laid down. No decision could be found upon this subject in Maryland, because the law was decided many years before the colonization of the province took

The whole of the difference of opinion takes place about the meaning of fences, and inclosed or uninclosed grounds. It never was designed by the Legislature, that a man should be compelled to enclose lands which he considered waste or common, though a division fence might be very important to his neighbour. In this state there are no regulations by statute, respecting fences, except the above mentioned act of 1715, which extends only to horses, &c. In other states there are many and various

In New York, a law was passed on the 27th March, 1801, and a similar law some years afterwards, by which it is enacted that division fences between persons whose lands join, are to be made at the joint expense of both, except such persons shall choose to let their lands or meadows lay open and vacant. It is provided, that any person may throw open his land for common, on giving three more the notice. When beasts damage feasant have been distrained, the distrainor shall, within 24 hours, apply to the nearest fence viewers, to ascertain the damage-So much for New York.

In Massachusetts, an act for regulating fences,

In the different states various laws have been enacted very generally alike. I shall content myself with referring only to the civil code of Louisiana, which will immortalize its compiler, and stands unequalled, (except by its precursor, the code Napoleon,) and which exacts—"In the country the common boundary enclosure between two estates is closed; otherwise the estate which is not enclosed, is not bound to contribute to it." This is, in fact, appear that the fence is no longer of use to him. The common law upon this subject has never been adjudicated in Maryland, because it is an ancient law. A man is bound to keep his horses, &c. up, or they may be impounded. The distrainor has no right to do any thing more than impound, or turn them away. (Vide 6 Har. & Johns. Rep. 230, Knott vs. Diggs.

On lands which have never been enclosed, or which having been enclosed, become useless te one of the parties, he is not bound to enclose or

At common law, the tenant of a close was not obliged to fence against an adjoining close, unless by prescription; but he was at his peril to keep his cattle on his own close, and prevent them from escaping. (Rust vs. Low & al., 6 Massachusetts' T.

I have the honour to be, Yours, &c.

JAMES BOYLE.

^{*}See a Practical Treatise on the use and application of Chemical Tests, illustrated by experiments, 3d edit. p. 270, 231, 177, and 196.

SPORTING OLIO.



ANNALS OF THE TURF .- No. X.

(From the Petersburg Intelligencer.)

Darc Devil. Imported in the ship Rebecca, from London, in June, 1795; ran with great success at brino-Medea by Sweetbriar-Angelica by Snap-New Market several years, during which time he Regulus—Bartlett's Childers. won 13 races out of 18 at that place, against the Mufti. Imported by John best horses of the day in England. He was a bay horse, foaled 1787, and bred by the Duke of Grafton, got by Magnet out of Hebe. Hebe by Chrysolite out of Proserpine, sister to Eclipse.

Dion. Was imported in the fall of 1801, by Col. Hoomes, of the Bolling-Green. He was bred by Mr. Garforth, of Yorkshire, and got by Spadille, Carolina; a chestnut horse, bred by the Duke of when landed,) and was, in the estimation of good (one of the best sons of Highflyer,) his dam Faith Bedford, foaled 1798, got by Dragon, his dam Porjudges, considered as equal if not superior to any by Pacolet, his grandam the famous Atalanta by Matchem--Lass of the Mill by Oronoke-old Traveller-sister to Clarke's Lass of the Mill-Grey-

hound-Partner-Woodcock.

Driver, a beautiful bay, 5 feet 3 inches high, foaled 1794, and got by Lord Egremont's famous running horse Driver, his dam by Lord Ossory's celebrated running horse Dorimant-grandam by old hanna, the best four mile horse of his day,) foaled King Herod-Shepherd's Crab-Miss Meredith by Cade, &c.

Druid, a chestnut, elegantly formed, near sixteen hands high, foaled 1792, and imported into Virginia year 1804. in 1800; he was got by PotSo's, (son of Eclipse,) his dam by King Herod-Matchem-Snap-Regulus -Bartlett's Childers-Honeywood's Arabian, &c.

Dungannon. Bay horse, imported by Col. Tay-loe, 1779, was got by Dungannon, his dam by Con-

Firetail. Imported in 1801, by Cain & Ray, of North Carolina; bay horse, got by Phenomenon, out of Columbine by Espusikes—Babraham—Blank—Sterling—Lonsdale Arabian—Cypress Arabian— Crab's dam.

Gouty. A beautiful bay, five feet three inches high, foaled 1797, and imported into Virginia in 1806, was got by Sir Peter Teazle, his dam the famous yellow mare by Tandem-grandam Perdita the best blood in England. by Herod-Fair Forester by Sloe-Forester-Partner-Croft's bay Barb-Makeless-Brimmer, &c.

Gabriel. Bay horse, bred by Lord Ossory; was got by Dorimant, his dam by Hightlyer-Snap, &c. having won fifteen races, beating the best horses:

imported in 1799.

Hambleton. A beautiful bright bay, near sixteen hands high, foaled 1791, and bred by the Duke of hound—Partner—Woodcock—Croft's bay Grafton, was got by Dungannon, (one of the best &c. Eagle is full brother to Spread Eagle. sons of Eclipse,) his dam by Snap, grandam by Blank—Partner—Greyhound—Curwen's bay Barb. &c. Hambleton was imported into Virginia in the spring of 1803, by Mr. Lightfoot.

Herod. Grey horse, foaled 1792, and imported into Virginia in 1796 "He was got by young He rod, son of the famous old Herod, out of one of

from the first running stock in England.

Jonah. Bay horse, imported into Virginia about the year 1803-4; he was foaled in 1795, and got by Escape, dam Lavender by Herod-Snap-Cade-Bloody Buttocks-Partner-Makeless-Brimmer-Ptace's white Turk

Jack Andrews. Imported by Wm. Lightfoot, of Charles City county, Virginia; a blood bay, 154

bian, which mare was own sister to Frampton's into Virginia about the year 1804. Whiteneck, full sister to the Mixbury Galloway-Sauce Box, a son of Jigg, sire of Partner.

bred by the Earl of Derby, and got by Sir Peter he was formerly the property of the Prince of Wales; 'Peazle. His dam Capella by Herod-Regulus- and was got by Eclipse, his dam Virago by Snap, Crab-Snake, &c.

Magic. Ch. horse, imported into North Carolina, was got by Volunteer, dam Marcella by Mam-

Mufti. Imported by John Tayloe, in 1801. He rod,) his dam by Infant, (son of the Godolphin Arato Black-and-all-Black; 15 hands 1 inch high. Phœnix. Imported by Thomas B. Hill, into North

Carolina; a chestnut horse, bred by the Duke of when landed,) and was, in the estimation of good tia by Volunteer, grandam own sister to Styng, Flo-

rizel, &c. by King Herod. Precipitate. Fifteen and an half hands high, a fine sorrel, handsomely marked, of large bone and great muscular strength and powers. This celegreat muscular strength and powers. This cele-brated horse was bred by the Earl of Egremont, (and was full brother to his celebrated horse Goin 1787; got by Mercury, dam by Herod, grandam by Matchem, out of Mr. Pratt's old Squirt marc. Imported into Virginia by Wm. Lightfoot, about the upon Sir Archy.

True Blue. Imported by Gov. James Turner, of

a most elegant form. He was got by Sir J. L. Kaye's famous horse Phenomenon, his dam Mr. Coate's Duchess, one of the finest mares in Eng-

Robin Redbreast. Was imported into Virginia ed race horse Sir Solomon. about the year 1803 or 1804; was got by Sir Peter Teazle, his dam Wren by Woodpecker, out of Paand he by Herod. Robin Redbreast was bred con- grandam by Cartouch, out of an Arabian mare. siderably in and in, and partook in all his crosses of

was got by Woodpecker, his dam by Snap, &c.
Spread Eagle. Imported by J. Hoomes of the
Bolling Green, was bred by Sir Frank Standish; and
got by Volunteer, (one of the best sons of Eclipse,) his dam by Highflyer, grandam by Engineer-Cade she is the grandam of Col. Hoomes' Lady Bull. -Lass of the Mill by old 'Traveller-Young Grey-

Sterling. Imported from London by J. Hoomes, about the year 1799; a beautiful bay, got by Volunteer, (one of the best sons of Eclipse,) his dam Gipsey by bay Bolton-the Duke of Newcastle's Lord Clermont's stud, a daughter of Conductor. Turk—Taffolet Barb—Place's white Turk—Natu-In point of blood, Herod cannot be exceeded, being ral Barb mare.

Strap. Bay horse, imported into North Carolina

Arabian.

hands high, finely formed, and one of the most ac tive and best bottomed horses ever imported into strength and bone; he was bred by the Prince of grees without an attempt towards establishing the his country. He was got by Joe Andrews, (son of Wales and got by his horse Saltram, his dam Puri-

Eclipse,) his dam by Highflyer-Cardinal Puff- ty by Matchem, out of the old Squirt mare, the dam Tatler-Snip-Godolphin Arabian-Stanyan's Ara- of twelve capital racers. St. Paul was imported

Saltram. A dark bay, 15 hands 3 inches high, was imported into Virginia by Mr. Lightfoot, of Knowsley. Bay horse, elegantly formed, foaled Charles City county, about 1799-1800. He was 1796, and imported into Virginia in 1802. He was near 20 years of age when he came into Virginia; his grandam by Regulus, out of an own sister of

Black-and-all-Black, sire of Tuting's Polly, &c.
Sir Harry, Was imported in the fall of 1804 from London, by Wm Haxall, of Petersburg, Va. He was 15 hands 8 inches high, full of bone and muscle, fine points, elegant form, and beautiful was bred by Mr. Mann, of Norwich, and was got brown colour. His stock was considered equal to by Fitz Herod, (one of the best sons of King He- any in the world; and he was one of the best racers in England, both for speed and bottom with very bian,) grandam by Whittington, out of a full sister heavy weights, and probably cost more money than any other horse ever imported to this country, (standing the owner within a trifle of 1200l. sterlg. horse that had been imported into Virginia. Sir Harry was got by Sir Peter Teazle, out of Matron by Alfred, grandam (dam of Pilot,) by Marsk—Regulus—Steady—Palmer—Greyhound—Makeless—Counsellor—Brimmer—Place's white Turk. Sir Harry was the sire of some distinguished racers in Virginia: among them were Sir Hal, Sir Alfred, Atalanta, and many others. The Sir Harry mares have been held in high estimation, as having produced valuable stock, particularly when crossed

Restless. A dark brown near 16 hands high and N. Carolina, in 1803; bay horse, got by Walnut, (son of Highflyer,) his dam by King Fergus—Celia by Herod-Proscrpine by Marsk, sister to Eclipse. Tickle Toby. Brown horse, elegantly formed, 16

loe, 1779, was got by Dungannon, his dam by Condator Suddens, one of the misst
Whip. A beautiful brown horse, imported into Virginia in 1801, of great strength and size, being pillon by Snap, (the dam of Sir Peter Teazle.) 15 hands 3 inches high; was got by Saltram, his Woodpecker by Herod-Sir Peter by Highflyer, dam by King Herod, grandam by Oronoke, great

Wrangler. Imported in 1802 from England; he is a fine bay, foaled 1795 and bred by Sir Thomas Seagull. Was imported about the year 1796, and Charles Bunbury, and got by old Diomed, his dam Sir Charles Sedley's famous mare Fleacatcher by Godolphin, grandam by Squirrel, great grandam by Ball, out of a full sister to Snip by Flying Childers. Fleacatcher was decidedly the best mare of her day;

Wonder. Imported in the fall of 1803, dark chestnut, 15 hands 3 inches high, full of bone and very handsome; foaled in 1795, and got by Phenomenon out of brown Fanny by old Diomed; grandam by Marsk-Skim-Crab-Childers-Basto-

by Highflyer, his grandam by Young Cade—his great grandam Childerkin by Second, out of the here take the occasion to remark, that it is my imdam of old Snap; she was got by Fox, her dam pression there is an error in the pedigree of Col. Eppes' grey mare, the dam of Pacolet, Little Wonder and Palafox. She is represented to be by Tippoo Saib, and he by Lindsey's Arabian. There were two horses of this name. Tippoo Saib out of by Henry Cotten; he was got by Beninbrough, his dam by Highlyer—Tatler, &c.

Silver. A heautiful dapple grey, imported into Virginia about the year 1802; was got by Mercury, his dam by Herod, his grandam Young Hag by latter Tippoo Saib got Meade's mare. The matter, Skim, Crab, Childers, Basto, Byerly Turk, Leedes' however, is left open to investigation; but my information is derived from the different to the content of the said of the formation is derived from two different sources.

I cannot close this number on the subject of pedi-

in Virginia, viz: Ratler, Childers, Sumpter and Flirtilla. My informant, the only correct authority on the subject, traced their pedigree to an imported Cub mare, and all my researches have enabled me to find but one imported mare of this blood, and she was owned to the north, which agrees with the information of my informant. The celebrated running mare Flirtilla (with her three full brothers above named.) was got by Sir Archy; her dam (bred by Thomas Goode, of Chesterfield county, Va., by the imported Robin Redbreast, grandam by the imported horse Obscurity, g. grandam by the imported horse Wildair out of an imported Cub mare. This mare was by Cuh, a son of old Fox, her dam by Torismond, son of the Bolton Starling, her grandam by Second, brother to Snip, her g. grandam by Mogul, brother to Babraham, her g. g. grandam by Sweepstakes-Bay Bolton-Curwen bay Barb-Curwen's old Spot-white legged Lowther Barbold Vintner mare.

Wildair stood to the North, and his blood was held in such high estimation, that at 18 years of

age, he was bought up and sent back to England.

The Wildair mare, in the above pedigree, was brought to Virginia and purchased by Thos. Goode AN ADVOCATE FOR THE TURF.

(To be continued.)

RECIPES.

TO PREVENT SEA SICKNESS.

Drop a few drops of vitriolic æther upon loaf sugar, and let it dissolve in your mouth; or drink a few drops of æther, added to a solution of sugar, in made; and White Flint Wheat, Red-chaff Bearded, Lav water, to prevent its immediate evaporation.

A RECEIPT FOR A COUGH.

Take a glass of spring water and put into it a spoonful of the syrup of horehound, and mix with it nine or ten drops of the spirit of sulphur.

TO PREVENT INK FROM MOULDING.

Half a dozen cloves, bruised with gum-arabic, are to be put into the bottle. If a very fine ink is wanted, white wine, or vinegar and water, should be used instead of water alone.

CORNS AND WARTS.

Apply soft brown paper moistened with spittle. A few dressings will remove them.

AGAINST BURNS OR SCALDS.

Plunge the part scalded into cold water as soon as possible. Wet it with linen steeped in rectified spirits or common brandy. Poultices and oily applications are to be avoided.

CHAPPED OR SORE LIPS.

May be healed by the frequent application of honey-water, and protecting them from the influence of cold air.

FARMER.

think proper to give a premium for the heaviest fleece—and the best sheep rack, from any part of the United States, the rack to unite convenience, ink from moulding, To cure Corns and Warts, To cure economy of food and construction, &c.?" We have

Burns or Scalds—Editorial—Large Squash—Advertiscno doubt they will.]

LARGE SQUASH.

Chambersburg, Aug. 17, 1826. DEAR SIR.

Mr. Gough has been good enough to take charge of a cymlin or squash, as we call them in Pennsyl vania, of a peculiar excellence. It grew at the foo of the Allegany mountains. It is a great bearer, and the vines from which this was pulled had on them: large number of equal size. It may be best eater from 2 to t2 lbs. weight. The present one weighed 19 lbs. After satisfying your curiosity, you can open it, and distribute the seed as you may deen most beneficial for the purpose of its propagation As I am going round by Lancaster, I wished to send it on to you immediately, which the politeness of Mi Gough has enabled me to do. On my return to Baltimore, I shall give you a more particular ac count of it.

Respectfully, yours, &c.

CHARLES SMITH. J. S. SKINNER, Esq.

TO GARDENERS.

A gardener, of good character, who can bring un questionable recommendations for capability, industry and sobriety, will hear of a desirable situation by ap plying immediately to the Editor. Aug. 25.

SEED WHEAT.

The subscribers, have just received from Col. E. Lloy and Tench Tilghman, of Talbot county, Md. the follow ing kinds of Wheat, viz:

Early Ran Ripe, a white wheat, ripened the Sth June, tast harvest, on stiff land; the grain is very whi and is said to possess some valuable qualities.

Virginia White, from which the best bakers' bread ler, and Blue-stemmed Wheat will also be kept for sale

In Store,

Seed Ryc, and Grass and Garden Seeds.

We have now ready to deliver three Cotton Gins wi steel saws, two of forty and one with thirty saws; an can have them made to order of other sizes, at a sho notice; and those now made are said by judges to lon the most approved plan, and will be sold on as re sonable terms as they can be purchased in any part our country.

PLOUGHS.

On hand, a large assortment of Bay-share, Woods Improved Cary, and Winan's Self-sharpening Poin Plough of all sizes, with or without coulters; this ploug is so constructed as to require little or no smithing keep them in repair, and does the work equal to ar plough now in use. We have been trying these plough about a year, and we are now fully satisfied that the only require to be known to bring them into gener

Improved Wheat Fan.

After three years experience, we think we have mamany important improvements in this article, whinnow gives general satisfaction; many certificates to the effect may be obtained from those who have lately pu chased them.

August 25, 1826. SINCLAIR & MOORE.

CONTENTS OF THIS NUMBER.

On the Enemies of the Wheat Crop, by J. Buel, co Baltimore, Friday, August 25, 1826.

The We are requested to state, that the next monthly meeting of the Trustees of the Maryland Agricultural Society, will be held at Hazelwood residence of G. Cooke, Esq., on Thursday next, the last day of this month.

[A correspondent asks—"Will your committee think proper to give a premium for the heaviest on the Enemies of the Wheat Crop, by J. Buel, concluded—On Wintering Sheep, by J. Morgan—On Shee and Wool, by R. K. Meade—Orchard Grass—Africa Cotton—White Flint Wheat—Prospect of Crops—Science of Gardening, continued—Remarks on the Ascle pias Syriaca, or common Silk Weed, by Wm. Zollickof for, M. D.—On the Wild Indigo Plant, as a substitute of cleaning Musty Casks, by M. Lenormandes—Poetry, Elegant Extract—Method of detecting the presence of Alum in Bread—Easy method of judging of the goodness of Bread-flour—Law of Trespass—Annals of the Turf, No. X., continued—Recipes pass-Annals of the Turf, No. X., continued-Recipe To prevent Sea sickness, Cure for a Cough, To preve ments.

PRICES CURRENT.

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SKINNER, Editor, by John D. Toy, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

MULES.

DEAR SIR, Forsyth, (Geo.,) July 29, 1826. Since I wrote you last, I have conversed with many practical farmers, and corresponded with some upon the subject of using mules on farms, and in teams, in preference to horses; and they uniformly agree with me in saying that mules are far preferable to horses, mure especially where they are managed by negroes.

It is not my intention, nor is it in my power, here with some facts which may be of some service in a

1. It is less expense to breed them;

They live much longer; 3. They are easier kept;

They are more serviceable;

They are less liable to discase than horses.

First. It is less expense to breed them, because subsist upon almost any kind of coarse food-such as shucks, hay, pea vines, oats, straw, &c. in the winter; and in the summer they require nothing but think the assertion unfounded. grass. This is not the case with y they require considerable attention. This is not the case with young horses, for

being worked at 50 years of age, and I know some state. serviceable mules that are 40 years old.

them

Fourthly. They are more serviceable than horses, especially in the summer. We usually commence cotton crops preventing our ploughing in the fall,) and get done about the middle of this month, (July,) and the hot weather frequently sets in as early as the 1st of May; consequently we have two months, and sometimes more, of hot weather, during the considerable on a farm worked with slav ploughing season; and there are but few horses that will destroy a set of harness every year. keep in good order the whole season, if worked constantly: yet you may plough a mule, or work him any where you please the year round, and he will horses on his farm.

not fall off a pound, if well fed. I have heard some persons complain that they did not walk fast enough -but it is an easy matter to train them to walk as fast as horses. I have observed that they endure rainy and cold weather better than horses. They are much used here in teams; they carry the same drafts that horses do and travel as far in a day, and J. S. Skinner, Esc., always look better.

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mules ever since I was a boy, and I never saw one the seasons in the state of Alabama. No doubt a but from old age, and we have not been using them fertile region, would be interesting to you. long enough for many to have died in that way. I do not believe they are subject to the distemper, glanders, staggers, or any of the common complaints of horses. In giving mules so decided a "Indian old fields." If we had the early June peach

brought from Kentucky. I have seen Georgia, S. aborigines of Florida, generally touk place about to write you a learned essay upon the natural history of mules, for I live where we have no books upon such subjects; but I will try and farnish you very valuable, selling as high as \$200. Some of the The first commences about the 200 to write you a learned essay upon the natural history of mules of this description are upon such subjects; but I will try and farnish you very valuable, selling as high as \$200. Some of the finest I have seen were said to have been bred by singular to relate, while one crop is verging to mawith some facts which may be of some service in a section of the Union where mules are not worked General Hampton, who, I learn, greatly prefers turity, the new ones are seen protruding themselves them to horses on his farm. We formerly obtained (for they have no blossoms,) from the unoccupied prefer mules to horses, for the five following reasons: our mules from the Spanish provinces beyond the branches of the tree; and so on for three successive Mississippi, and from Atacapa and Apalousa; but crops during the summer, or rather until frost, they were generally small, in consequence of being which sometimes makes its appearance for a few bred from small wild mares, and fed entirely upon days in January, and sometimes not at all through grass, in the great western prairies—the usual cost the winter season. This probably is uwing to our of them where bred being about a doubloon per vicinity to the gulph stream. We are in latitude head. Small Spanish mules sell here, unbroke, for 30° 20'. Wheat has already been raised in this they are much more hardy than horses, and will \$50 to \$75; those brought from Kentucky, being vicinity on our poorest land, twenty bushels to the generally larger, sell for \$65 to \$85. It has been acre. I ate of the bread (not very fair, but sweet

The best European mules are those bred in same month. Spain and Savoy. In Savoy they are much used, Secondly. They live much longer than horses. especially for transporting persons and baggage species of Italian wheat, and distributed small paracross the mountains; and they are much used in cels to every planter who wished to make a trial of I believe you may safely set down a mule at 30 years service; you may commence working them at three spain for the same purpose. Many of the Spanish years old, and they generally live from 30 to 40 grandees drive them, and I learn that it is a very vears; whereas, you commence working a horse at common thing to see them in carriages upon the When I was a boy, I recollect to have heard an years; whereas, you commence working a horse at four years old, and the average of them live about Prado in Madrid. I believe they are much used in old farmer state in my hearing, that he always suc-12 years, leaving you eight years service, which is all the South American States and in Mexico; and ceeded in preventing the wevil from injuring his about one fourth the service of a mule. It is true, they are much used in the West Indies. The ansome horses live much longer, say to 25 years—but cient Romans drove them in their carriages, in more nules arrive at 30 than horses at 12, and some live to a much greater age. I have heard of their absence of their absence. Would not red cedar have the same effect?

Thirdly. They are easier kept. Mules, when in upon the manner of rearing good mules. You insects, when kept in the sheaf. service, require about three-fourths of the food that should first get a large well furmed Jack, and then is necessary for a horse; but on farms they are get the largest, finest mares you can, for the size tionale of the principle, that as the wevil is inhegenerally idle from one-third to one-half their time, and colour of your mules will depend much upon rent in, and generates in the grain itself, a course when they are scarcely any expense, being as easily kept as cattle; which is not the case with horses, for they require almost as much food during the winter months when idle, as when at work. In this state, where we feed almost entirely upon corn, since the control of the co mules will do good work upon iffeen or eighteen ears of corn per day, while horses require from ter and spring labour, oxen, to either mules or country. twenty-five to thirty, and will eat more if given horses, and he thinks they might be used advanta- I could give you a Flemish account of the diffegeously through the summer. He breaks them at rent articles of produce; the seasons, climate, &c. four years old, works them 5 or 6 years, then fat-of this new and growing country; but I took up the tens and kills them. He feeds them upon cotton pen merely to inform the gentleman of Alabama, especially in the summer. We usually commence ploughing here in February, (taking care of the seed, boiled and mixed with corn or peas, two parts through the medium of your valuable paper, of a cotton crops preventing our ploughing in the fall,) of cotton seed to one of corn or peas. Upon this specific, that "would lighten the labour and cheer the food, and rice straw, they keep fat. And there is a heart of many an honest farmer," his country's "stay, considerable saving in working oxen; they require in peace or war." no harness, save the yoke and chain, which saves considerable on a farm worked with slaves, for they

Mr. Cowper prefers either mules or oxen to horses and says that a planter has no business with

MANSFIELD TORRANCE.

CLIMATE OF FLORIDA.

Benvenue on Lochachray, near Tallahassee, July 27, 1826.

Sir,-I have perused an article in the American

sick; nor have I ever seen one foundered, nor have I few details on the above, or indeed any agricultural I ever seen a dead one. I believe they seldom die subject connected with this peculiarly romantic and

preserence to horses, you must understand me to of Maryland, we should have ripe peaches in the mean mulcs of a good size, say 4 feet 8 inches to 5 month of April, or May at the latest. Green corn feet high.

The best mules we have are either bred here, or middle of the month. The green corn dance of the

Our fig trees produce three crops in each year. The first commences about the 20th of June; and, asserted that they do best in cold climates, but I and fine flavoured,) made from the same on the 22d think the assertion unfounded.

Colonel Murat, last fall, introduced a superior

Bugs are known never to infest red cedar bedsteads. I will close this long letter with a few remarks Wheat is less liable to injury from wevil, or other

It strikes me, however, upon recurring to the ra-

I am, very respectfully, ONE OF YOUR SUBSCRIBERS.

ON RECLAIMING MARSH LAND.

By R. G. Johnson.

(From the Memoirs of the Philadelphia Agric. Society.) Salem, N. J., Feb. 10, 1819.

Being disposed to submit my observations and experience in practical agriculture, for a period of twenty-eight years past, to the perusal of the read-

[* It is known that vermin are kept from poultry-Fifthly. They are less liable to disease than Farmer of the 18th of May last, on the subject of houses by making their roosts, nests, &c. of this wood. horses. I have been in the habit of observing the difference of the climate and advancement of Ed. Am. Farmer.] fectly understood: I mean the reclaiming and bringwild marshes, which line our bay, river, and creeks.

putrescent animal and vegetable substances of which the quagmire is composed. From this mass is produced a soil, which, when brought into good cultivation, continues its extraordinary fertility for many the bank; but even this method did not permanentadmit the tide overflowing the same, unless frequent additions of fresh mud from time to time plete a single rood. were made to keep it up to its former height; and even then the expense and difficulty have been increased, in consequence of the scarcity of mud, both within and outside of the bank, and of the great pressure of mud foreing the foundation into the ditches. Another very serious evil was, that these ditches afforded an easy and safe passage for break it.

ing into a dry and profitable state, the numerous the work will then be carried on to the best advan- ing the bed in several places and immediately untage, not only to themselves, but their employers. der the in and out end of the sluice, always remem-The wild marshes are made from the sediment A gang is composed of five hands, two to cut and bering that the piling be put down with that edge carried on them by the flowing of the tides, and deload the wheelbarrows with mud, two to wheel it to having the point cut off furthest from the board last A gang is composed of five hands, two to cut and bering that the piling be put down with that edge posited among the different species of wild grass, the hank, and one to be there stationary as a pack-driven; so that in forcing it down, by the time it which every season spring up, and in the autumn er. The business of a packer is to lay out the bank, will be brought to a level with the one preceding, it decay, and then become incorporated with the sediment of the preceding year, mixing with the various the wheelers, and attend strictly to the carrying up sluice be made of two or three funnels or divisions, the bank, in its true proportion and proper height; you must drive as many rows of pilings as there are he is also to assist in making the gangways to divisions of plank. If the mud is good where the run the wheelbarrows on. As to the size of the sluice is laid, by piling in this manner, it can never bank, the owner must be governed entirely by cir- settle, and no muskrat or mink, can ever undermine vation, continues its extraordinary fertinity for many years. I have observed, that on such marshes, the line of distinction may be easily traced by the effects of the salt, and then brackish water, upon the numerous species of aquatic plants which grow to mine of a quatic plants which grow to mine of the plants which grow to mine of the plants which grow to make the owner must be governed entirely by the settle, and no minskrat or mink, can ever undermine to the subject to freshets, which swell the tides beyond the piling lengthways and across being complete to freshets, which swell the tides beyond the piling lengthways and across being complete to freshets, which swell the tides beyond the piling lengthways and across being complete to freshets, which swell the tides beyond the piling lengthways and across being complete to freshets, which swell the tides beyond the piling lengthways and across being complete to freshets, which swell the tides beyond the piling lengthways and across being complete to freshets, which swell the tides beyond the piling lengthways and across being complete to freshets, which swell the tides beyond the piling lengthways and across being complete to freshets, which swell the tides beyond the piling lengthways and across being complete to freshets, which swell the tides beyond the piling lengthways and across being complete to freshets, which swell the tides beyond the piling lengthways and across being complete to freshets, which swell the tides beyond the piling lengthways and across being complete to freshets, which swell the tides beyond the piling lengthways and across being complete to freshets, which swell the tides beyond the piling lengthways and across being complete to freshets, which swell the tides beyond the piling lengthways and across being complete to freshets. numerous species of aquatic plants which grow thereon. As far up the Delaware as Reedy island, grow two species of salt grass—the rosemary salt-sedge, and the red salt-sedge, and two species of reeds; from thence, to about the mouth of the Christiana creek, or Deep-water point, grow the Christiana creek, or Deep-water point, grow the three square, the two kinds of reeds, and fresh rosemary; and from thence up the river, (the water being fresh) grow the bull rush three square, only the plants which grow a losing shore, or subject to of the pilings as marks to direct the workmen to the exact place into which they are to float the sluice, and excite their attention to those parts as it settles on the ebbing of the tide. When the sluice, and or a firm those liabilities, and his marsh high and of a firm three square, the two kinds of reeds, and fresh would be sufficient: but I would observe, that I have best mud. care being now taken that a trusty pack-never seen a bank too large. Let the bank be of being fresh.) grow the bull rnsh, three square, only never seen a bank too large. Let the bank be of er be stationed there, to pack every spit of mud as one kind of reed, wild oats, flags or cat-tails, fox-tail, spatter dock, and the water lily. For bringing into cultivation such unproductive marshes, the to the height, and as to the sides or slope, they in ends of the sluice, with their ends bedded in the universal practice throughout our county (until a should be at or about an angle of fifty degrees, and about six feet distant from the footing of the indeed bank, and from that to make a bank of such form and size as accorded with the judgment of the practice throughout our county (until a should be at or about an angle of fifty degrees, and solid marsh, so as to prevent the mud as it is packed on the sluice from slipping out, and to prevent the base. To wheel mud on a mirry marsh, it is muskrats and other vermin from burrowing at or necessary the mer. Should have boards to lay upon the mud, but in wheeling their barrows to the top of the base are covered with the judgment of the property of the mud, but in wheeling their barrows to the top of the base are covered with the judgment of the solid marsh, so as to prevent the mud as it is packed on the sluice from slipping out, and to prevent the mud as it is packed on the sluice from slipping out, and to prevent the mud as it is packed on the sluice from slipping out, and to prevent the base. It will also be necessary to have owner. After the bank had stood a year or two, it the bank (which would be an elevation of six feet,) length, to be pointed and sharpened in the same became apparent that it had not only settled, but that the foundation had inclined towards the large ditch. To keep up the bank to its proper height, it was then thought necessary to dig a ditch about ten or twelve feet in the inside, and pack that on with holes morticed in them, through which a rail two other men must have a two inch plank in reaor pole is temporarily inserted, so as to bear it with diness, and while one of the ends rests on the mud. ly remedy the defect. The evil of such proceedings was apparent, because the foundation could the weight of mud passing over, and also to prevent the other is placed by the man attending the piling, never be made sufficiently firm to support so great it from swagging; these posts will be removed, and on the top of it, who are to hold it steady while the a quantity of mud, without settling so low as to the wheeling or gang-plank, as it is called, must be two men walk on the plank until they come over removed several times before the labourers com-

SLUICE.

the muskrats and fidlers to enter at all parts of the bank, and thus admit the water, so as frequently to the river or creek, and its depth continued at about marsh be composed of a mat of sedges or reedwide, then set down those stakes at the distance of
labourers should remove one spit deep of the roots,
and lay them aside to be packed on the bank when
nearly finished.

The trenches from whence the mud is to be
taken, are to be served in the same manner, because

ers of the "Memoirs of the Philadelphia Society for promoting Agriculture," I shall be sufficiently admit the water. The surface being the board alike, and by cutting off three or four gratified should any thing be gleaned from what I have written, which may tend to throw some light upon a subject connected with rural economy, and which, in some parts of our country, is but impersently in the property, it will be necessary that the labourers should be apportioned to the different parts of the intended bank in separate gangs, as feetly understood: I mean the reclaiming and bringthe piling, when, by raising and sinking themselves, they force it down with great facility. This method is continued until these logs are piled from end to end. It must now be obvious even to a person un-The bank being finished, a suitable place must be acquainted with such business, that if a sluice be selected for laying a sluice, which should be several laid and secured in this manner, nothing can injure rods distant from the creck or river, into which it is it. For three feet under low water mark, it cannot

The duration of a sluice of good materials, and the ordinary low water mark, until the bed of the well laid, may reasonably be computed at thirty sluice is cleared, when the digging should be sus-years. From my own observation, I am decidedly pended until the sluice is bedded and finished. The of opinion, that sluices should always be preferred improved method of reclaiming mud on each side of the intended bed, should be to flood gates. My objections to a flood gate are, wild marsh from the tide, the first thing to be done removed a reasonable distance, lest, when piling 1st. Because the cost is more than double that of a is, to stake out the site for the intended bank, at for the sluice, any sudden jar might cause the sides sluice. 2d. A flood gate, on the average, will not such a suitable distance from the margin of the to cave in, and thus fill up the bed. After the bed last more than from ten to twelve years; while a river or creek (as the case may be,) as to allow a is dug, four stakes, having lines fastened to them, sluice will last from twenty to thirty years. 3d. A sufficient space for a guard against the swells of the are to be drawn taught, and stuck into the mud ex- flood gate is frequently out of repair; from the conwater in stormy weather, and for the preparation of actly on the bottom, where the sluice is to be laid, struction of a sluice, it can seldom want any thing mud, to make and keep in repair, at a distance not but within the breadth of the sluice by about two done to it, and when necessary, it is easily repaired. nearer than four roods from said bank. Should the inches; for example, should the sluice be four feet 4th. Should a muskrat work a hole under the flood

DESCRIPTION OF A SLUICE.

A sluice is a trunk on an enlarged scale, for the constructing of which the usual way among farmers is to cut down a large tree, and by reducing its sides to the thickness of from ten to twelve inches, it is hoisted up, and slit through by a whip-saw, which forms the two side planks for the sluice, each being about eighteen or twenty inches oroad, and in length from thirty-five to forty-five feet. planks are then set up to the width intended for the sluice, (usually about four feet,) and covered over with good two-inch plank, well secured with inch wooden pins. The door is made of two inch plank also, and hung within these side-planks about six feet from the mouth. The method of hanging the door is, by pinning two pieces of scantling, three by five or six inches, to it; and a like piece upon the top of the sluice over the side plank, and through these four pieces of scantling to bore a two-inch hole, through which is passed a good wooden pin or iron bolt, to hold the door securely, and permit it to open and shut easily. The advantage of hanging the door a little within the sluice, is, to prevent its being injured by the ice, or by pieces of floating timber, and by admitting the discharge of the water more freely from it; for in leaving the sluice it glides away in a smooth current; whereas, if the door was hung at the mouth, the water would pitch down and wear a deep hole immediately on its leaving the mouth. If it should be thought necessary to have a large sluice, say six, eight, or ten feet wide, the division plank must be increased to the number of intended funnels: thus, if there are to be three funnels, then there must be two division planks, and so on.

FLOOD GATE.

The flood gate is constructed of sills, ties, caps, posts, and studs, all morticed and tenanted into each other, in the same manner as any ordinary frame building, by having its bottom planked tight and its sides boarded up, with its door or doors hung to the posts, in the same manner as a common stable door. Now it must be obvious to any person, that so much wood work, exposed to the alternate operation of wet and dry, must, in a few years, give way; while the sluice which has been well laid, and is never dry, will, of course, resist the effects of decay for very many years.
(To be continued.)

ON THE CHOICE AND PROPERTIES OF WOOL.

(From Partridge's Treatise on Dyeing.)

The wool used in this country is either of Ameri can growth, or imported from Spain and Portugal. The Portuguese wool is not in much repute any ing only one or two qualities, it is necessary they criminate between two samples nearly alike, and where, it is a wiry, harsh, foul wool, and with few should be able, at all times, to purchase a supply of this can be acquired only by practice. Those macexceptions very unfit to be used for any thing like wool of such as are wanted; otherwise, their factonagers who are desirous of improving the quality of superfine cloth. Since Saxony wool has been used ries must sometimes stand still, and this state of their cloth, and to make large profits, must take in England, the Spanish has sunk so much in reputation as to be seldom employed in making prime it is difficult at this time to obtain a supply of one even secondary superfines. Take two lots of wool, or two qualities. When American wool is purchas-judgment before hand; by these means they will be one of Saxony, the other of Spanish, of similar qua- ed, they have to take it in the flecce, and to work able in two or three years to discriminate accuratelity, and the cloth made from the Saxony will be ter, and sell at a higher price.

The wool imported into this country from Spain fit for working the coarsest grades, and vice versa. is generally of an inferior quality for the marks: indeed I have seldom seen a good sample of single desirable to have the fleeces stapled by dealers in R here, and nothing less than a prime wool of that wool, so as to enable manufacturers to purchase the attend to the quality, but also to its condition. Spanmark, ought to be used for superfines. That which qualities they may want; but the principal thing ish wool is partly scoured before it is exported, but is made from prime single R for chain, and good wanted is extensive capitals, vested in the wool some lots are scoured much cleaner than others, and

the last year, is sorted and scoured soon after it is should be employed in Spain and Germany, to make very badly sorted, and left with all the burrs and sheared, and is seldom used in less than twelve such purchases as the present and increasing dc-pitch marks remaining in it. This wool loses from months afterwards, and many lots lay two and three mand may require.

years before it is manufactured. Those who are at all acquainted with the properties of wool, must to resort to importation for the supply of an article know, that the staple will be gradually injured after that might be raised to any extent in this country, it has been scoured; it will become harsh, and brit- and which, while it improves the land, affords a tle by age, so much so, as never to recover that fine elastic property, in which its value principally consists. It is true that when closely packed as Spanish wool is, it is not injured so rapidly as when left open; yet that it is injured by age is well known to animals, as is done by the Spaniards and Germans. very experienced wool dealer and manufacturer.

The full blooded wool of this country bears a strong resemblance to the Saxony, and I have seen small lots offered for sale, the first quality of which will continue to increase until it be in excess. ought to have made cloth worth ten dollars a yard; but I am informed that the flecces do not contain as great a proportion of fine wool as the Saxony.

To improve the quality of a flock, it is necessary common careless manner.

It is not many years since fine wool was exported from Germany, and I have understood that they first rather than round; that when round, it approaches obtained their sheep from Spain during the late connearer to the properties of hair than of wool; that tinental war, and about the same period, they found when of a proper shape it is finer as it is thinner and their way to New South Wales and America. Ger-smaller, that when fine and good, it will have a many and New South Wales are now supplying crimped appearance, which makes it look shorter Europe with much finer wool than can be obtained than it really is; that it will have a glossy surface, from Spain, whilst America raises very little that is somewhat resembling silk; and that when stretched equal to the best of the second quality Spanish .- out, it will be sufficiently elastic to return to its for-There must be some radical defect among the wool incr position, like a steel spring, as soon as the

in quality and magnitude, which makes it advanta-geous for each one to confine himself to the making of makes—all wool will give it more or less, but the one or two qualities of cloth. By pursuing this finest will make less noise than that which is coarmode, perfection would be obtained much sooner ser. When the fingers are drawn from the roots to than by following too great a range. A factory that the points of wool, ao sensible resistance is felt; when is put into operation, with a view to the making of drawn from the points to the roots, the resistance is fine goods, must be injured, and rendered unfit for very sensible, but less so as the quality is finer. that purpose, by manufacturing those of a quality lit must be evident that it will require considera-very inferior. It is also very inconvenient, as the mode of working in every department must be dif-these few instructions, and much more must be acnew calculations to regulate the work.

up all the qualities: now it is evident to every one ly between the relative value of samples that may very superior to that made from the Spanish; the conversant with this manufacture, that those cards be offered for sale. Many English manufacturers former will have a much finer face, will handle bet- which are calculated for choice locks, and the reeds employ a small pocket microscope to examine the

In order to obviate these difficulties, it would be with the naked eye. double R for filling, would be worth, if well manufactured, from six to seven dollars per yard.

Spanish wool, as mentioned in the Statesman of the market. Agents, who are judges of the article, samples. Besides this defect, Spanish wool is often

It is to be regretted that it should be necessary good profit to the agriculturist; nor would this necessity be of long continuance, provided the farmers would generally turn their attention to the merino breed, and take the same pains to obtain fine fleeced At the present time, the factories are increasing more rapidly than the flocks; but so soon as the former shall have acquired their maximum, the latter

To possess a good judgment in wool, requires more practical skill than manufacturers are generally aware of. An English clothier who is known to have a correct and discriminating judgment in to examine the lambs when their wool is a little this article, is often employed by others to purchase grown, and if any are found having coarse fleeces, their wool, for which he is allowed a small commisthey should either be sold, or sent off to an inferior sion. So trifling are the profits in that country, tlock; but should the increase be permitted to go on that unless the wool is well bought, the cloth will without separating those having inferior fleeces, the afford none; and though the profits are much larger quality of the wool will degenerate rather than im- here, yet the success of a manufacturer must deprove. It costs no more to feed a fine fleeced anippend in a great measure on having a good judgmal than it does a coarse one; and those agricultument in purchasing the raw material. I do not prorists who raise sheep with a view to profit, would fess to have a perfect knowledge of wool, and if I certainly find their account, in obtaining by means had, it would be impossible to give such written inso easy, a flock whose annual fleece would be worth structions as would convey it to others, I will enthirty per cent. more, than when raised after the deavour, however, to point out some of its leading features.

It will be understood that perfect wool is flattish growers of this country that loudly demands to be stretching power is removed. When a lock of wool is placed close to the ear, and there gently drawn Our manufactures are now arrived to that state out, it will make a crackling noise; and some judg-

ferent, and the manager must be continually making quired before a correct judgment can be formed,—
new calculations to regulate the work.

It is difficult in all small articles, where there is a To give manufacturers an opportunity of work- great range in grade and quality, to be able to disand barness that are made for such work, are not samples of wool before purchasing; and it is said the quality can be better ascertained in this way, than

In purchasing of wool it is not only necessary to to to 18 per cent. in scouring.

clean scouring is about thirty per cent: at least this nourishment to the plant. is the per centage allowed by the manufacturers when they send their wool to be dyed-for every shearing, will lose from forty to fifty per cent. once had two fleeces of unwashed wool scoured, from sheep that had been feeding on sandy land, one of them lost fifty-six, and the other fifty-eight more it will lose in scouring, because fine full blooded wool has more yolk in it than that which is of inferior quality. American wool that has been washper cent.

HORTICULTURE.

SCIENCE OF GARDENING.

(From Loudon's Encyclopedia of Gardening.) FUNCTIONS OF VEGETABLES.

Food of the vegetating Plant.

Earths.—As most plants have been found by analysis to contain a portion of alkaline or earthy salts, so most plants have been found to contain also a portion of earths; and as the two substances are so nearly related, and so foreign in their character to vegetable substances in general, the same inquiry has consequently been made with regard to their origin. Whence are the earths derived that have soil. But in what peculiar state of combination do they enter the vessels of the plant? The state most they are soluble is so very small that it scarcely deserves to be taken into the account, it is to be recollected that the quantity of water absorbed by Jura, a calcarcous mountain, yielded 43.25 parts of carthy carbonate, and only 0.75 of silica. But the that the fertility of a soil depends in a great mea-ried off in the annual crop, but left to augment the nated indeed, but did not thrive; and perished when retrenched before they can be brought to a state of nures, which consist chiefly of animal and vegeta-the nourishment of the cotyledons was exhausted. fertility. But soils in a state of culture, though ble remains that are burief and finally decomposed

the sheep's back, having been merely washed before shearing, and is afterwards sorted, yet some samples necessary to the health of others, are by no means of fertility by means of too frequent cropping, wheare much fouler than others—the average loss by capable of affording any considerable degree of ther by repetition or rotation of the same, or of dif-

different species of vegetable food, whether it be cal cultivator, to ascertain by what means fertility hundred pounds of Saxony wool sent to the dyer, regarded as derived from the soil or the atmos- is to be restored to an exhausted soil; or communithey expect to have seventy pounds of clean wool phere; we proceed to show how the food necessary cated to a new one. In the breaking up of new they expect to have seventy pounds of clean wood, unwashed before to the support of the vegetating plant may be sup-returned. American merino wood, unwashed before to the support of the vegetating plant may be sup-shearing, will lose from forty to fifty per cent. I plied when defective, or restored when exhausted. frequently the case, it is often sufficient to prepare With regard to the food of plants derived from the it merely by means of draining off the superfluous atmosphere, the supply is pretty regular, at least in and stagnant water, and of paring and burning the as far as the gases are concerned; for they are not turf upon the surface. If the soil has been exhausted per cent. The finer the quality of the fleece, the found to vary materially in their proportions on any by too frequently a repetition of the same crop, it more it will lose in scouring, because fine full blood-part of the surface of the globe: but the quantity of often happens that a change of crop will answer the moisture contained in the atmosphere is continually purpose of the cultivator; for although a soil may varying, so that in the same season you have not be exhausted for one sort of grain, it does not need clean before shearing, will lose from 25 to 30 always the same quantity, though in the course of cessarily follow that it is also exhausted for another. ing to the analysis of Bergman, the soil best suited many years, such as those used for pasture; or even for culture, contains four parts of clay, three of from that of the walks and paths in gardens when and, according to the analysis of Fourcroy and Has- of fallowing, and of trenching or deep ploughing, senfratz, 9216 parts of fertile soil contained 305 which in some cases has nearly the same effect. parts of carbon, together with 279 parts of oil; of If any one asks how the fertility of a soil is rebeen found to exist in plants? Chiefly from the which, according to the calculations of Lavoisier, stored by the means now stated, it will be sufficient 220 parts may be regarded as carbon: so that the to reply that, in the case of draining, the ameliorawhole of the carbon contained in the soil in question is effected by means of its carrying off all such likely to facilitate their absorption is that of their tion may be estimated at about 525 parts, exclusive superfluous moisture as may be lodged in the soil, solution in water, in which all the earths hitherto of the roots of vegetables, or to about one sixteenth which is well known to be prejudicial to plants not solution in water, in which all the earths hitherto of the roots of vegetables, or to about one sixteenth which is well known to be prejudicial to plants not found in plants are known to be in a slight degree of its weight. Young observed, that equal weights naturally aquatics, as well as by rendering the soil soluble. If it be said that the proportion in which of different soils, when dried and reduced to pow-more firm and compact. In the case of burning, der, yielded by distillation quantities of air some the amelioration is effected by means of the decom-what corresponding to the ratio of their values. The air was a mixture of fixed and inflammable turf, and subjected to the action of the fire, which the plant is great, while that of the earth necessary airs, proceeding probably from decomposition of the disperses part also of the superfluous moisture, but to its health is but little, so that it may easily be acquired in the progress of vegetation. Such is the manuer in which their absorption seems practiatmosphere, which the soil at least is capable of fertility is not so much restored as more completely cable: and Woodward's experiments afford a pre-sumption that they are actually absorbed by the soil, as occurring in the neighbourhood of Bristol. root. The proportion of earths contained in the sales of the proportion of earths contained in the sales of vegetables depends upon the nature of the soil in which they grow. The ashes of the leaves of the Rhododendron ferrugineum, growing ou Mount reous earth, 30; loss, 6.

ashes of leaves of the same plant, growing on sure upon its capacity for retaining water, and if proportion of vegetable mould; or to the accumuMount Breven, a granitic mountain, yielded two so, soils containing the same ingredients must be lation of fertilizing particles conveyed to the soil parts of silica, and only 16.75 of earthy carbonate, also equally fertile, all other circumstances being by rains; or to the sort from the continued abstraction of oxygen the same; though it is plain that their actual fertilities of the earthy particles which ty will depend ultimately upon the quantity of rain owing undoubtedly to the action of the atmosphethey may contain. They may acquire them partly that falls, because the quantity suited to a wet soil from the atmosphere. Margray has shown that rain water contains silica in the proportion of a grain to And hence it often happens that the ingredients of plants; or it is owing to the abstraction and accua pound; which, if it should not reach the root, the soil do not correspond to the character of the mulation of oxygen. In the case of trenching, or may possibly be absorbed along with the water that climate. Silica exists in the soil under the modifi-adheres to the leaves. But although the earths are cation of sand, and alumine under the modification with which the roots can now penetrate to the prothus to be regarded as constituting a small proport of clay. But the one or the other is often to be per depth, and thus their sphere of nourishment is tion of vegetable food, they are not of themselves sufficient to support the plant, even with the assistance of water. Giobert mixed together lime alusoils in which the clay preponderates retain the least moisture; and means, or not at least with sufficient rapidity for mine, silica, and magnesia, in such proportions as most the former are dry soils, the latter are wet the purposes of the cultivator; and in this case are generally to be met with in fertile soils, and soils. But it may happen that neither of them is there must be a direct and actual application made moistened them with water. Several different grains sufficiently favourable to culture; in which case, to it of such substances as are fitted to restore its were then sown in this artificial soil, which germinated the purposes of the cultivator; and in this case there must be a direct and actual application made sufficiently favourable to culture; in which case, to it of such substances as are fitted to restore their peculiar defect or excess must be supplied or fertility. Hence the indispensable necessary of machine and the control of the

Saxony wool is offered for sale as it romes from It is plain, therefore, that the earths, though benefi- consisting originally of the due proportion of ingreferent crops. And in this case, it should be the Manures.—Having exhibited a brief view of the object of the phytologist, as well as of the practithe year the deficiency is, perhaps, made up. From And accordingly, the practice of the farmer is to the atmosphere, therefore, there is a regular supply sow his crops in rotation, having in the same field a of vegetable food kept up by nature for the support crop, perhaps, of wheat, barley, beans, and tares in of vegetable life, independent of the aid of man: succession; each species selecting in its turn some and if human aid were even wanted, it does not ap peculiar nutriment, or requiring, perhaps, a smaller pear that it could be of much avail. But this is by supply than the crop that has preceded it. But no means the case with regard to soils; for if soils even upon the plan of rotation, the soil becomes at are less regular in their composition, they are at length exhausted, and the cultivator obliged to have least more within the reach of human management, recourse to other means of restoring its fertility. We have already seen the materials of which soils In this case, an interval of repose is considerably are composed: but what are the proportions of the cfficacious, as may be seen from the increased fermaterials in soils best suited for culture? Accord tility of fields that have not been ploughed up for sand, two of calcareous earth, and one of magnesia: they are again broken up. Hence also the practice

by manures as contributing to the nourishment composing carbonic acid; and many soils contain of the plant, and is not itself soluble in water, nor that oxide. Most soils, indeed, contain iron, either even disengaged by fermentation in a state of puri- in the state of the brown or green oxide, and it has ty; under what state of chemical combination is its been found that oils convert the brown exide into solution effected? Is it effected in the state of char- green. But dung and rich soils contain a quantity coal? It has been thought, indeed, that carbon in of oily substance. One effect of manures, therethe state of charcoal is soluble in water; because fore, may be that of reducing the brown oxide of water from a dunghill, when evaporated, constantly iron to the green, thus rendering it capable of decomleaves a residuum of charcoal, as was first ascertain- posing carbonic acid gas, so as to prepare it for ed by the experiments of Hassenfratz. But there some new combination, in which it may serve as an seem to be reasons for doubting the legitimacy of aliment for plants. All this, however, is but a couthe conclusion that has been drawn from it; for Se- jecture; and it is more probable that the carbonic nebier found that plants whose roots were immers- acid of the soil enters the root in combination with ed in water took up less of the fluid in proportion some other substance, and is afterwards decomposas it was mixed with water from a dunghill Per-ed within the plant itsetf. haps, then, the charcoal of water from a dunghill is held merely in suspension, and enters the plant under some other modification. But if carbon is not soluble in water in the state of charcoal, in what other state is it soluble? It is soluble in the state Sir, of carbonic acid gas. But is this the state in which it actually enters the root? On this subject phyto- discover frequent mention of the successful cultivalogists have been somewhat divided in opinion tion of the grape. It appears to be found, now, in Senebier endeavours to prove that carbonic acid different sections of the United States, rapidly proin the second place, it is known to be contained in the different sections of the United States, where it is known to be beneficial to vegetation when ap-plied artificially to the roots, at least in a certain How far apart are the vines planted? How high degree. This is evident from the following experiment of Ruckert, as well as from several experiments of Saussure's, previously related. Ruckert that the French mode of cultivating the vine will in which carbon enters the plant, it is at least a wine? state preparatory to it; and there are other circumstances tending to corroborate the opinion, resulting from the analysis of the ascending sap of plants. The tears of the vine, when analyzed by Senebier, yielded a portion of carbonic acid and earth; and as the ascending sap could not be supposed to have But this opinion, which seems to be so firmly estawhich he had instituted with an express view to the investigation of this subject, plants which were raised in water impregnated with carbonic acid differed in no respect from such as grew in pure water. and contained no carbon that did not previously exist in the seed. Now, if this were the fact, it have been mistaken, both with regard to the utility of carbonic acid gas as furnishing a vegetable aliment, and with regard to the augmentation of car bon in the plant. The opinion of Senebier, therefore, may still be correct. It must be acknowledged. however, that the subject is not yet altogether sa tainly enter the plant in some state different from terest that they can procure. that, either of charcoal in solution, or of carbonic

in the soil, from which they are afterwards absorbed by the root of the plant in a state of solu-composed before entering the plant? This is a conjecture of Dr. Thomson's, founded upon the follow-But as carbon is the principal ingredient furnished ing facts: the green exide of iron is capable of de-

(To be continued.)

ON THE CULTURE OF GRAPES.

Alabama, July 24, 1826.

In looking over your truly valuable "Farmer," I gas, dissolved in water, supplies the roots of plants gressing. On one point, I am satisfied there is too with almost all their earbon, and founds his argue little said, and it is a most important one, viz: the ments upon the following facts: in the first place, it manner of cultivating the vine pursued by those who is known that carbonic acid gas is soluble in water; are engaged in it. Could you not, sir. obtain from the soil, and generated by the fermentation of the you inform us the vine is successfully cultivated, a materials composing manures; and, in the next place, description of the mode pursued, viz: What species planted two beans in pots of equal dimensions, filled not answer in the United States. If it would, is it with garden mould; the one was moistened with the mode that appears conformable to reason? Is distilled water, and the other with water impregit possible that grape vines at twelve, or lifteen nated with carbonic acid gas. But the latter appeared above ground nine days sooner than the 2½ or 3 feet from each other? Let any person exformer, and produced twenty-five beans; while the amine the roots of a grape vine, and he will say at former produced only fifteen. Now, the result of once it is unreasonable. It may answer a certain this experiment, as well as the preceding facts, is purpose and produce grapes, and those grapes proevidently favourable to the presumption of Sene-duce good wine. But the question still remains-Is bier, and shows that if carbonic acid is not the state it the mode to produce the finest grape—the finest STRENGTH AND SPECIFIC DIFFERENCES

And farther-Is not the plan of crowding the vine well calculated to make it short lived? In bringing every species of fruit to the highest maturity, (with bulk of the liquor. which we are acquainted in the United States,) distance is essentially necessary. Further, a vast cle there are more varieties than of porter. This, deal depends on the score of profit, on the mode of no doubt, arises from the different mode of manuyet undergone much alteration, the carbonic acid, cultivating the grape. There appears yet to remain facturing the beer, although the ingredients are the like the earth, was probably taken up from the soil. some important questions, which experience alone same. This difference is more striking in the poris to settle. How long may the main stem of a vine ter manufactured among country brewers, than it is blished upon the basis of experiment, Hassenfratz be permitted to grow, to insure the greatest maturi- in the beer browed by the eminent London porter strenuously controverts. According to experiments ty of fruit. The French agriculturist says, 12 to brewers. The totality of the London porter exhibits 2 feet—the vine planter of Madeira says, to the top of his chestnut tree. Here is an extraordinary different account; (see Edinburgh Encyclopædia, word matter, contained in a given bulk of it. The spirit Madeira.) I am aware it is said loudly, and from may be stated, upon an average, to be 4.50 per cent. France, that different species of grape require diffin purter retailed at the publicans; the solid matter, ferent cultivation; but I discover that all grapes is from 21 to 23 pounds per barrel of 36 gallons.would be decisive of the point in question. But it grow the same way in the forest, viz: they try to is plain from the experiments of Saussure, as related in the preceding section, that Hassenfratz must require extraordinary proof to convince me, that a mode of cultivation of any plant can be the best, turbid when mixed with alcohol. Such beer cannot that, at the first view, appears an evident outrage keep, without becoming sour. upon the laws of nature. It is easy to gather the It has been matter of frequent complaint, that all grape after they are ripe-but the mode of produc- the porter now brewed, is not what porter was foring the richest grape is the point to be determined, merly. This idea may be true with some exceptions, and on which subject your readers in Alabama are My professional occupations have, during these 28 tisfactorily cleared up; and that carbon may cer truly interested, and will read every thing with in- years, repeatedly obliged me to examine the strength

A SUBSCRIBER.

THE OLIVE.

MR. SKINNER, Beaufort, S. C., Aug. 10, 1826.

Sir,-Reading lately in a newspaper an account of an Olive tree in full bearing, in the vicinity of Mobile; and of a Date tree in New Orleans, which the writer supposes to be the only trees of those descriptions in the United States-I take the liberty of communicating the following facts, that tend to prove that there exist others in our country, and even considerably to the northward of Mobile; which, if you think merit it, you will please insert in your truly valuable paper, and oblige ONE OF YOUR READERS.

In this town (Beaufort,) are now growing two Olive trees, of a large size, which have produced fruit every season for many years past, and are never affected in the least by our frosts. On a plantation, a few miles from town, are several other trees, much older, and which always bear abundantly. I have eaten of excellent pickled olives, the produce of these trees. Olive trees are found in Charleston, of large growth, and produce fruit with little care. Charleston is more than two degrees north of Mobile. In fact, the climate of every part of Carolina is favourable to the cultivation of the olive.

Seeds of the Date were planted here by two gentlemen of this town in 1819, and the plants from them are now large, and forming the trunk, and seem to want nothing but sufficient age to be productive. The Cocoa nut tree also, it is highly probable, may be raised with proper care. I have seen one in a garden of the late John M'Queen, Esq., of Georgia, a few miles from the city of Savannah, with branches or leaves eight or nine feet long. The nut was planted by Mr. M'Queen, and the plant grew rapidly, and resisted the effects of the frosts equally weil with the prinkly pear, (cactus phyllanthus,) which is a common plant in Beaufort.

On the more southern islands of Georgia, I am persuaded, that the Plantain and Banana may be cultivated with a little regard to situation, soil, &c. as I have seen them grow with us in an open garden, seven or eight leet high.

RURAL ECONOMY.

OF DIFFERENT KINDS OF PORTER.

The strength of all kinds of beer, like that of wine, depends on the quantity of spirit contained in a given

The reader need scarcely be told, that of no arti-

of London porter, brewed by different brewers; and, from the minutes made on that subject, I am authoeminent London brewers, is unquestionably stronger be raised on strong good land, and always manufac showers invite snails and grubs to eat it, they will than that which was brewed at different periods du- tured in the same way; as any considerable varia- be destroyed, which I have several times found; ring the late French war. Samples of brown stout tion will disappoint the dyer, and be the means of particularly when the leaves were two inches long, ring the late French war. Samples of brown stout that the stought with which I have been obligingly favoured, whilst with which I have been obligingly favoured, whilst would be producing colours more or less weak, as the and in drills very thick and strong, but the ground was dry. When a warm rain fell, in less than two wording it, is but hours I found the ranks on one side attacked by writing this Treatise, by Messrs. Barclay, Perkins, woad is bad, or good. & Co.—Messrs. Truman, Hanbury, & Co.—Messrs. As this plant and the Henry Meux & Co.—and other eminent brewers of this capital—afforded, upon an average, 7.25 per place, a copy of a letter from Mr. John Parish, to black grub, thousands of which were on the leaves, cent. of alcohol, of 0.833 specific gravity; and porter, from the same houses, yielded upon an average and manufacture of it, and afterwards describe the they had destroyed every leaf where they fixed. 5.25 per cent. of alcohol, of the same specific gra-vity;* this beer received from the brewers was taken from the same store from which the publicans are English woad was selling at fifty cents per pound.

15 samples of beer of the same denominations, procured from different retailers, the proportions of best to sow the seeds in the month of March or ceeding crops on four acres of land, I considered it spirit fell considerably short of the above quantities.
Samples of brown stout, procured from the retailers, afforded, upon an average, 6.50 per cent of alcohol; and the average strength of the porter was ly. It must never be flooded, but situated so as to the roots (for after it had begun to vegetate strong, 4.50 per cent. Whence can this difference between drain its surface, that it may not be poisoned by it was observed to decay and wither,) I found the beer furnished by the brewer, and that retailed by the publican, arise? We shall not be at a luss If at any reasonable price, to answer this question, when we find that so many obtained to break the surface, it will be doubly pro- of six quarters each, on the four acres, and harrowretailers of porter have been prosecuted and convicted for mixing table beer with their strong beer; following words of the Act.

"If any common or other brewer, inn keeper, vicble beer, worts, or water, in any tub or measure, he shall forfeit 50i." The difference between strong and table beer, is thus settled by Parliament.

beer or ale; and all beer of the price of 18 shillings (viz. 2 shillings per barrel) in respect thereof, shall be deemed table beer within the meaning of this and thereon."

ON RAISING AND MAKING WOAD FOR THE BLUE VAT.

(From Partridge's Practical Treatise on Dyeing.)

vat, to be in every way inferior to that from ing how to destroy the botts, snails, wire-worms, just beginning to turn of a more yellowish shade; woad, I shall not attempt to give an account of &c. that so often prey upon and destroy it, as well it, besides I am not well versed in the ash dye, as from inattention to weeding, &c. Crops fail also jured.

Woad is to be gathered from twice to four, and Those who want information on that mode of dyc- in a dry season; but as the roots take a perpendicu- even five times in the season, as I once experienced, ing, may consult Doctor Cooper's work, where they will find an ample description of it. I am sorry to scribed (with proper attention to my observations,) spring I saved an acre for seed, of which I had a have to observe, that Mr. Cooper has committed will seldom fail of a crop; and if the scason will fair crop. I picked the young seedling sprouts off himself very much in asserting that "the ash is the common vat for the blue dye employed in Europe," strong before the hot and dry weather comes on, when it is a well known fact, that in England, where there will be almost a certainty of a great produce. three times as much blue wool is dyed, as in all other parts of Europe, this vat is totally unknown, not one woollen dyer in fifty having ever heard of it. And I understand it is only used on the contiserve them, the seeds may be steeped, with guod it should, soon after your last gathering, before three times as much blue wool is dyed, as in all

*The average specific gravity of different samples of brown stout, obtained direct from the breweries of Messrs. Barclay, Perkins, & Co. Messrs. Truman, Hanbury, & Co. Messrs. Henry Mcux & Co. and from several other eminent London brewers, amounted to 1.022; and the average specific gravity of porter, from the same breweries, 1.018. †2 Gco. Ilt. c. 14, § 2.

dyers, as well as in France, Germany, &c. It is the remainder. Another time, having had two suctom, such as is not subject to become dry too quick- ventured, but soon found my error. On examining

ductive. This land is generally most free from ed it in; when rain coming on soon after, washed it weeds and putrid matter, though sometimes it in destroyed them all, and I had an excellent crop; victed for mixing table neer with their strong beers this is prohibited by law, as becomes obvious by the following words of the Act; but the side of the field sown first where they had begun, never quite recovered like the rest. nagement will get rid of these otherwise destruc-

produces the best woad.

"All beer or alet above the price of 18 shillings per barrel, exclusive of ale duties now payable (viz. ten shillings per barrel,) or that may be hereafter payable in respect thereof, shall be deemed strong payable in respect thereof, shall be deemed strong particularly attends noting and weeding, and here it warm and most seasons increase the quantity will require strong manure, though on leys it is selevery where, but they can never give the principal dom much necessary, yet land cannot be too rich land, dung should be avoided. In very wet seasons, woad from poor land is of particularly attends noting and weeding, and here it warm and most seasons increase the quantity will require strong manure, though on leys it is selevery where, but they can never give the principal dom much necessary, yet land cannot be too rich land, dung should be avoided. In very wet seasons, woad from poor land is of particularly attends noting and here it warm and most seasons increase the quantity will require strong manure, though on leys it is selevery where, but they can never give the principal dom much necessary, yet land cannot be too rich land, dung should be avoided. In very wet seasons, woad from poor land is of particularly attends not p plants in good seasons; but if too nearly planted, so like that from good woad.

The leaves of woad, on good land, and in a Attention to this, is necessary in every way of sow-good season, grow very large and long, and when (From Partridge's Practical Treatise on Dyeing.)
As I consider the colour produced by the ash land not being in condition, or from want of know- while other parts of the leaves appear green, but lar direction, and run deep, such land as I have de- (it was an early and a late season,) and for the next

nent by those who are ignorant of the woad dye.

In order to succeed well with this mode of dyeing, tate; first throwing half a load or more of flour lime twill be necessary to obtain a regular supply of on the acre, and harrowing it in. Then plant the ridges, to expose and ameliorate it by the vegetawoad, and that it be always pretty nearly the same seeds as soon as they break the pod, taking care tive salts that exist in the atmosphere, and by frost not to have more than one day's seed ready; for it and snow. This, in some seasons, has partly the efis better to be too early, than to have their vegeta-fect of a change of produce, but if intended for tion too strong before it is planted, lest they should wheat, the last gathering should not be later than receive injury; yet I have never observed any injury. September.
ry in mine from this, though I have often seen the The land, after woad, is always clean, and the tity of porter, from the same the holes. If the ground be moist, it will appear in of the wheat crop: for I have always experienced a few days; but it will be safe and a beneal to the abundant increase of produce after woad, and ob-

rised to state, that the porter now brewed by the in quality and strength. To obtain this, it should land, to throw more lime on the surface, when, if plenty of lime, I immediately ordered it in flour to supplied.

Mr. Parish informs us that this plant is cultivated be strewed along those ranks which were not begun.

It is nevertheless singular to observe, that from in different parts of England, for the use of the This destroyed them in vast numbers, and secured thousands of the wire-worm at them, entwined in If at any reasonable price, meadow land can be every root. I immediately strewed lime, four loads

It is in vain to expect a good crop of woad, of a tualler, or retailer of beer or ale, shall mix or suffer to be mixed any strong beer, ale, or worts, with tano one of any experience will waste his labour and If woad is sown on corn land, much expense attention on such land, upon so uncertain a produce, generally attends hoeing and weeding; and here it Warm and moist seasons increase the quantity

sow it as grain, and harrow it in, and afterwards at such a time, and found there was no possibility the barrel or under, exclusive of the duty payable (viz. 2 shillings per barrel) in respect thereof, shall proportion to the strength of the land; others sow was under the necessity of making every possible it in ranks by a drill plough; and some dibble it in, effort to obtain some that was the produce of a all other Acts now in force, or that may hereafter be passed in relation to beer or ale or any duties holes to be from twenty inches to two feet apart, kept the other three or four years, when I found it according to the richness of the land; for good more steady in its fermentation; but still it required land, if ruom be given, will produce very luxuriant a double quantity, and even then its effect was not

served that it held on for some time, if proper changes were attended to, and good husbandry. Woad, when gathered, is carried to the mill and ground. (To be continued.)

LADIES' DEPARTMENT.

ODE TO FOLLY.

Hail, Goddess of the vacant eye! To whom my earliest vows were paid; Whose prattle hush'd my infant cry, As on thy lap supinely laid
I saw thee shake, in sportive mood, Thy tinkling bells and antick hood.

Source of the sweets that never cloy, Folly, indulgent Parent, hail! Thine are the charming draughts of joy That childhood's ruby lips regale:
'Thy hands with flowers the goblet crown, And pour th' ingredients all thy own.

No fiery spirits enter there To rouse the tingling nerves to pain, Thy balmy cups, unbought with care, Swim lightly o'er the tender brain; Bland as the milky streams they flow, Nor leave the pungent dregs of woe.

Gay partner of the school-boy band, Who charm'd the starting tear away; What, tho' beneath the pedant's hand My flaxen head devoted lay, Oft were my truant footsteps seen In thy brisk gambols on the green.

Too soon those moments danced away; My years to manhood onward drew, And as my heart began to play, My listless limbs more languid grew:

For now a thorn disturb'd my rest, The wish of something unpossess'd.

At length with wonted pastimes tired, Aside the boyish gawds I threw; But when with expectation fired I to the world's wide circle flew, I look'd around with simple stare, And found thee in broad features there.

There, saw thee high in regal seat, Thy crowded, clamorous orgies hold, With bounding hands thy cymbals beat, And wide thy tawdry flag unfold; Whilst thy gay motley liveries shone, On myriads that begirt thy throne.

Thy devious path, sweet Pow'r, I join'd: Thro' fancied fields of bliss we stray'd, A thousand wonders we design'd, A thousand idle pranks we play'd: Now grasp'd at glory's quivering ray, And now in Chloe's chains we lay.

But Folly, why prolong my verse To sing the laughter-loving age? Or what avails it to rehearse Thy triumphs on the youthful stage,

Where Wisdom, if she claims a place, Sits ever with an awkward grace?

For now, ev'n now in riper years, Smit with thy many-coloured vest, Oft I renounce my cautious fears, And clasp thee to my thoughtless breast; Enough that in Presumption's mien Beneath my roof thou ne'er art seen:

That,-as my harmless course I rnn, The world thro' candid lights I view, And still with generous Pity shun

The moody, moping, serious crew; Since what they fondly, vainly prize, Is ever, ever to be Wise.

SPORTING OLIO.

DISEASES OF DOGS.

FOR EXTRACTING THORNS.

Thorns may be generally extracted with the thumb and fore finger nails; or recourse may be had to the assistance of the penknife in the same way as the sportsman would extract a thorn from his own finger The dog will frequently perform the operation with his month. If the wound festers, the thorn may be squeezed out.

TO BRING HAIR UPON A SCALDED PART.

Fresh hog's lard rubbed frequently upon the affected part, will reproduce hair; indeed, I am inthe desired effect. Fresh goose grease, or the fat repose. of fowls, unmixed with salt, will answer the purpose equally well. Vegetable oils are of too dry a nature, and their effects, as applied to the growth of hair, pernicious. Yet there are not wanting quacks who daily advertise the sale of oil for the growth of hair on the human head; and by way of the strongest possible recommendation, specifically state, that it is extracted from vegetables! This is lamentable, but it is still more so, that such numbers of the unthinking become the dupes of these ignorant pretenders, whose existence is a stigma on the liberali- four. ty of the public.

TO DESTROY FLEAS, LICE, &c.

Take of White arsenic, one dram; Water, one gallon; Soft soap, one quarter of a pound;

boil for ten minutes; then take it off the fire and let it stand to settle, then pour it off into a vessel, leaving applied to the feet. about half a pint at the bottom, which throw away and dress with the water. A certain remedy.

Linseed oil, or Scotch snuff, rubbed well over the body, is a temporary remedy. A good washing with common soap and water will perhaps answer the purpose. In hot weather, dogs are much troubled with fleas; and if the sportsman is anxious for the comfort of the animal, he will find it necessary to use the above several times during the summer. Clean beds and cleanliness in general act as preventives.

TO RECOVER THE SENSE OF SMELL.

When the dog's olfactory organ becomes affected, it will be frequently found to arise from colds, costiveness or other causes, which a dose or two of opening physic seldom fails to remove. A little sulphur, or syrup of buckthorn, will have the desired be, for I have known several gamekeepers and huntscffect.

SICKNESS, OR A FOUL STOMACH.

up or confined. If you tie a dog to a kennel for a he is very near, or full, six years old. Look to the few days, the moment you loose him, he will run in few days, the moment you loose him, he will run in four front tecth, both in the upper and lower jaw, search of grass to eat, the broad blades of which but particularly to the teeth in the upper jaw; for, he prefers; this will frequently cause him to vomit: in those four front teeth, the mark remains longest: whenever the animal is troubled with sickness or a at twelve months old, you will observe every one of foul stomach, he will uniformly have recourse to eating grass, though vomiting does not always follow.

a certain index of the state of his health, and assume a languid, a dull, or a fiery appearance, ac-dead flesh, both in the human body, and in the body of sume a languid, a dull, or a fiery appearance, according to the nature of the disorder with which he is afflicted. The powers of digestion in a dog do vine nature, how evidently do we see the hand-worknot appear to be promoted by exercise. If you take manship, and wisdom of an omnipotent, all-wise, ina dog into the field to hunt with a full stomach, he comprehensible Deity! will throw up the contents of it in a few minutes,

or at least in a short period. If you suffer him to sleep after a hearty meal, the digestion is rapid and healthy. Give a dog a good supper on the evening prior to hunting, and the next morning he will require little or nothing. I generally give my dogs a crust of bread in the morning when going out, which, however, they will not always stop to eat, so great is their anxiety for the expected diversion. Little food, and that of a light nature, will be found to answer best upon violent exercise: hence a man walks or labours much better after a breakfast, composed principally of tea or coffee, than after a heavy dinner. Cows, horses, and animals in general, retire to rest after filling their bellies. A full stomach. I have no doubt, is the best to sleep upon; and I therefore differ very widely with those physiclined to think that animal fat in general will have cians who represent a good supper as injurious to (To be continued.)

THE GREAT BENEFITS OF LOOSE STA-BLES.

I have known horses, in trifling lamenesses, receive much benefit from being turned into a loose stable; and all valuable horses should be kept in loose stables. I am certain, if you crack the oats for horses, in a machine made for that purpose, that three feeds will do a horse nearly as much good as

A horse has a very sweet tooth,—when he is unwell and won't drink, mix molasses or coarse brown sugar in the water: he will then drink freely.

The best stopping I know to make horses' feet grow, or to supple hard feet, which are subject to crack, is linseed boiled, and, when moderately cool,

I have been informed by an agriculturist who has written on agriculture, and the feeding of cattle, that the following cheap food will do for all horses, which work in the stages, and draft-horses; -not for mail-coach horses, nor post-chaise horses; they must be full fed with oats.—Half a peck of split beans per day; oats in the straw, one third; two thirds barley or wheat straw; the oats in the straw and straw, to be cut, in a cutting machine, as short as possible, not above a quarter of an inch long. Particularly no hay whatever with this is necessary.

HOW TO KNOW THE AGE OF A DOG, UN-TIL HE IS SIX YEARS OLD.

I have omitted informing you of what will be very useful, and is not so generally known as it ought to men not the least acquainted with it: it is to know the age of a dog until he is six years old; after which period you cannot ascertain his age. A dog Dogs are very liable to a foul stomach; but this has a very visible mark in his teeth, as well as a is more particularly the case with such as are tied horse, which mark does not disappear totally until

^{*} In medical books we read, that, from experiments tried, the gastric juices do not operate on any sort of A foul stomach proceeds from indigestion; therefore, eight or ten grains of tartar emetic may be very beneficially given, followed, in a day or two, by a purge of syrup of buckthorn.

A dog never perspires; but whenever he is unwell, his eyes very strongly exhibit the change, are a certain index of the state of his health, and as-dead flesh, both in the human body, and in the body of "Whatever is, is right."

jagged and uneven, nearly in the form of a flower de stocks which appeared in 1824. luce, but not quite so pointed at the edges of the jags, as a flower de luce is. As the dog advances in age, farm, which together, covered a surface of two and these marks will wear away, gradually decrease, and a half acres. Now, (June, 1825.) there is not the grow smoother and less jagged every year. Between quantity of half a rod of ground on which the thisthree and four years old, these marks will be full half thes have appeared. worn down; and when you observe all the four front tceth, both in the upper and lower jaw, quite worn smooth and even, and not in the least jagged, then you may conclude that the dog is nearly, if not full six years old When those marks are quite worn flat and even, and those teeth quite level and even, you can no longer judge the age of a dog. I have seen many huntsmen and gamekeepers ignorantly look at the side and eye teeth of a dog; they might as well took under his tail; for I have seen many dogs, not two years old, which have had the canker in the mouth, with hardly one sound tooth in their heads.

MISCELLANEOUS.

METEOROLOGY.

The following general axioms have been established by L. Cotte, respecting the thermometer, from an examination of various meteorological observations made during thirty years.

- I. The thermometer rises to its extreme height oftener in the temperate zone, than in the torrid
- 2. It changes but very little between the tropics, its variations, like those of the barometer, are greater the more we proceed from the equator towards the poles.
 - 3. It rises higher on plains than on mountains.
- 4. It does not fall so much in the neighbourhood of the sea as in the inland parts.
 - 5. The wind has no influence on its motions.
- 6. Moisture has a peculiar influence on it, if fol lowed by a wind which dissipates it.
 7. The greatest heat, and the greatest cold, take
- place about six weeks after the northern and southern solstice.
- 8. The thermometer changes more in summer than in winter.
- 9. The coldest period of the day is before sunrise.
- 10. The greatest heat in the sunshine and the
- shade seldom takes place on the same day.

 11. The heat decreases with far more rapidity from September and October, than it is increased from July to September.
- 12. It is not true that a very cold winter is a prognostic of a very hot summer.

N.B. The mean of the greatest cold and the greatest heat in London, observed for 30 years, is 30 degrees.

CANADA THISTLE.

It has long been a matter of regret among agriculturists, that the Canada thistle is rapidly spreading over our cultivated lands. Any easy method of extermination will of course be received with interest. The following experiments, made by M. E. Winchell, in June, 1823, are extracted from a communication in the N. England Farmer.

The thistles have not appeared since.

the four front teeth, both in the upper and under jaw, they were also extinguished, except a few solitary!

I had in the spring of 1824, ten patches on my

INSTINCT OF PLANTS.

Dr. Hancock says, if a vessel of water is placed within six inches of a cucumber, that, in 24 hours time the cucumber will alter the direction of its branches, and not stop till it comes in contact with the water. That if a pole is placed at a considerable distance from an unsupported vine, the branches of which are proceeding in a contrary direction from that towards the pole, the vine will in a short time alter its course, and not stop till it clings round the pole. But the same vine will carefully avoid attaching itself to low vegetables, nearer to it, as the cabbage. [London paper.

THE FARMER.

BALTIMORE, FRIDAY, SEPTEMBER 1, 1826.

A PENNSYLVANIA FARMER, well recommended to the Editor of the American Farmer, wishes to procure near Baltimore, a situation as Manager of a Farm on shares, or on account of the proprie-

TAKE CARE OF YOUR FODDER.

DEAR SIR, Woodly Farm, Aug. 28, 1826.

The first crop of hay has been so deficient in quantity, that the attention of the farmer is now no doubt directed towards the securing of his corn fodder, and this, has induced me to state what I conceive to be the most efficient and expeditious method. It is simply in laying the blades on the ground, and not binding (they are too apt to moulder under the bands) or thrusting between the corn, as is commonly practised-there is no species of provender so liable to injury from wet or damp weather, and none preferred to it when well saved, by both horses and cattle. By this simple method the blades may be pulled one day, and hauled in, that evening or the next morning.

Respectfully yours, &c. JACOB HOLLINGSWORTH.

J. S. SKINNER, Esq.

WHITE FLINT WHEAT.

Farmers wishing to procure the White Flint Wheat, for seed, (so much estecmed in the state of New York,) may get it genuine, from the subscriber, at 125 cents may get it genuine, from the state for.

per bushel, if immediately applied for.

WILLIAM HINDMAN,

Wood-street, Bowley's Wharf.

Sept. 1, 1826.

CONTENTS OF THIS NUMBER.

Essay on the use of Mules for Agricultural purposes Essay on the use of Mules for Agricultural purposes.

The following experiments, made by M. E.
Winchell, in June, 1823, are extracted from a communication in the N. England Farmer.

I. I completely covered one patch of four rods equare with boards and bark until August, 1824.

The thistles have not appeared since.

2. I kept the foliage (leaves and stems,) wholly down by the hoc and close feeding of my sheep, on the original state of Florida—On reclaiming Marsh Land—On the Choice and Properties of Wool—Science of Gardening, continued—On the Culture of Grapes—On the Olive and Date Trees in South Carolina—Strength on Agricultural purposes.

On the Choice and Properties of Wool—Science of Gardening, continued—On the Culture of Grapes—On the Olive and Date Trees in South Carolina—Strength on Sealed part, To destroy Fleas, To bring Hair upon a Scalded part, To destroy Fleas, To recover the Sense of Smell Sickness or the Climate of Florida—On reclaiming Marsh Land—On the Choice and Properties of Wool—Science of Gardening, continued—On the Culture of Grapes—On the Olive and Date Trees in South Carolina—Strength on Sense of Smell Properties of Mules of M down by the hoc and close feeding of my sheep, on Lice, &c., To recover the Sense of Smell, Sickness or another patch of three fourths of an acre, until the a Foul Stomach—The great Benefits of Loose Stables another patch of three fourths of an acre, until the 10th of July in the same year; since which time but three stalks have appeared.

S. Another parcel covering about one fourth of an acre was ploughed six times during the season; tisement.

Lice, &C., 10 recover the sense of Smen, Sickness or a Foul Stomach—The great Benefits of Loose Stables—How to know the age of a Dog until he is six years old—Meteorology, by L. Cotte—Canada Thistle—Instinct of Plants—To Cure Fodder—Editorial—Adversarial and Market streets, where every description of Book and Job Printing is handsomely executed.

ĺ	PRICES C	UR	REN	T.				
l	ARTICLES.		WHOL	ESAI	LE.		RL1	AIL.
		per.	from		0	fre	m	to
	BEEF, Baltimore Prime,	bbl.	8 00	}				
	BACON, and Hams, BEES-WAX, Am. yellow	lb.	5 30		8 31		9	12 50
	COFFEE, Java,		16		17		20	20
	Havana		15					20
	COTTON, Louisiana, &c. Georgia Upland,		12 10		14			
	COTTON YARN, No. 10,	_	30		11			
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	each number to No. 18.	-	101		, ,		10	
	CANDLES, Mould, Dipt,		12 <u>4</u> 11		14		16	18
	CHEESE,	_	31		10		te	15
	FEATHERS, Live,	-	30				37	
	FISH, Herrings, Sus. Shad, trimmed,	bbl.	$\begin{bmatrix} 2 & 37\frac{1}{2} \\ 6 & 00 \end{bmatrix}$	6	50			
	FLAXSEED, Rough,	bush	75		50			
	FLOUR, Superfine, city,	bbi.	4 37	4	50	5	00	
	Fine,		4 00					
	Susquehanna, superfi. GUNPOWDER, Balti.	25 lb				5	50	
	GRAIN, Ind. corn, yellow	bush	65					
	white	-	67		70			
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	Rye,		60		65			
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	Mangel Wurtzel Seed,	_	1 25 3 00			3	50 50	
	Timothy Seed, Oats,	_	31		33	J	00	
	Beans, White,	_	1 70			1	87	
	HEMP, Russia, clean,	ton	215	100				
	Do. Country HOPS, 1st sort,	lb.	120	130			25	
	HOGS' LARD,	-	7		9		12	
	LEAD, Pig	lb.	61		61			
	Bar LEATHER, Soal, best,	_	7½ 22		8 23		32	
	MOLASSES, sugar-bouse	gal.	46		50		21	75
	Havana, 1st qual	_	32		33	5	71	
	NAILS, 6a20d NAVAL STORES, Tar,	lb. bhi.	6½ 1 50		21		9	
	Pitch,	_	2	1	3			
,	Turpentine, Soft,	-	1 75				10	
	OIL, Whale, common, . Spermaceti, winter .	gai.	27 70		75		40 98	
•	PORK, Baltimore Mess,	bbl		11	50			
	do. Prime,	-	8 50					
	PLASTER, cargo price,	ton.						
	RICE, fresh,	bbl. lb.	23		3		5	
	SOAP, Baltimore White,		12		14		18	20
	Brown and yellow,	~_	512		71 33		8 35	12
	WHISKEY, 1st proof, . PEACH BRANDY, 4th pr	gal.	32 75		00	1	25	50
	APPLE BRANDY, 1st pr		- 34	1	35		50	
	SUGARS, Hayana White,		12 50		50	14		15
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AGRICULTURE.

ON RECLAIMING MARSH LAND.

By R. G. Johnson.

(From the Memoirs of the Philadelphia Agric. Society.) (Continued from p. 187.)

CREEKS AND DAMS. It sometimes happens in large tracts of marsh No. 25. -vol. 8.

rows of posts, and directly over the in-ends of the pilings of the two inner rows. During all the time there will be three distinct apportions or spaces for soft and inclined to slip, it will then be necessary to to its proper height in the middle apportion or young reeds, or any long grass. Alternate layers of about to be reclaimed, that there are creeks of con-space between the high posts, while the two outer such materials being incorporated with the soft siderable width and depth, with a strong tide setting spaces are to be considered as supports or footings through them, and although the sluices may have to the whole; so that by packing the hardest mud been laid, and the bank completed, and that too at in these outer spaces against the pilings of the inner shape. The width of such a dam would be from a very considerable expense; yet, until they be safe- rows, it is apparent that the whole pressure of the thirty to thirty-four feet, and the work when comly dammed out nothing can be said to have been weight of mud will be directly downward; nor can pleted would exhibit a view, from the edge of the done effectually. No business in the whole circle the body of mud incline either to the right or left water at low tide to the top of the bank, a slone at of agricultural science, appears to me to be of of these middle rows of pilings, because a like more importance, than a knowledge of the mode of quantity of mud being thrown into each of the outconstructing a perfect dam of magnitude upon a side spaces, will produce a like pressure upon the und bottom, over a deep and rapid creek of tide centre of the dam. For these pilings I would prefer running off a crib, some ten or twenty feet, and sewater. The method which I have found to be the two-inch plank, sawed to suit the varying depths of curing it by good mud packed within; for as the best, I will take the liberty of recommending to the water, because they are more easily pointed work advances and the width of the breach lessons. others. In the first place, I proceed with a hand or and more quickly driven to their proper places by so in the same proportion, will the rapidity of the two in a boat at low tide, and carefully measure, three men using a plank, as prescribed in laying current increase. As the work advances, it would and note down the depth of water at every eight or down the sluice. In filling up these spaces, (partition to admit the tide into the marsh, and to keep up a space of the sluice doors be open to admit the tide into the marsh, and to keep up a space of the sluice doors be open to admit the tide into the marsh, and to keep up a space of the sluice doors be open to admit the tide into the marsh, and to keep up a space of the sluice doors be open to admit the tide into the marsh, and to keep up a space of the sluice doors be open to admit the tide into the marsh, and to keep up a space of the sluice doors be open to admit the tide into the marsh, and to keep up a space of the sluice doors be open to admit the tide into the marsh, and to keep up a space of the sluice doors be open to admit the tide into the marsh, and to keep up a space of the sluice doors be open to admit the tide into the marsh, and to keep up a space of the sluice doors be open to admit the tide into the marsh, and to keep up a space of the sluice doors be open to admit the tide into the marsh, and to keep up a space of the sluice doors be open to admit the tide into the marsh and to keep up a space of the sluice doors be open to admit the tide into the marsh and to keep up a space of the space of the sluice doors be open to admit the tide into the marsh and the sluice doors be open to admit the tide into the marsh and the sluice doors be open to admit the tide into the marsh and the sluice doors be open to admit the tide into the marsh and the sluice doors be open to admit the tide into the marsh and the sluice doors be open to admit the tide into the marsh and the sluice doors be open to admit the tide into the marsh and the sluice doors be open to admit the tide into the marsh and the sluice doors be open to admit the tide into the sluice doors be open to admit the tide into the sluice doors be ope from shore to shore, as well as the distance across, serve that no more work is to be laid off for the pressure on both sides of the dam as nearly equal Then all necessary timber is provided, and worked day than can be secured and completed, so that it as possible. so as to suit the different purposes for which it is may not be swept away by the current at night. designed; all such posts and other timber as may In doing this, no greater distance along these four be wanted for a day's work are put on board of a rows of ties should be piled, than can be filled up excluded, it is now necessary to have it divided into large scow, or other vessel capable of the service. by the hands during the day; and as preparatory to lots of such size as may be most easily put into and Having proceeded to the site intended for the dam, filling up the day's work, three light ties or sticks kept in a dry and improveable state. In whatever stakes are to be set up on both sides of the creek, of timber, about six inches in diameter, and of number of acres the owner may choose to have his the tops of which must be at least two feet above length sufficient to reach across each of the three lots, they should be so laid off, as that the ditches the intended summit of the bank when finished spaces, should be laid across the long ties and the intended summit of the bank when finished, spaces, should be laid across the long design dividing them should run perpendicularly from the With sheer-poles and tackle, we proceed to set rested for support against the posts. Within and down a post by lowering it into the mud, and then against these moveable ties, good plank should be forcing it down to its proper depth, either by a stuck down close to each other, and as much mud man hoy, as it is called (being a large block of should be thrown within, as would support them is of a light fibrous restating and enable them to resist the wood,) worked by hand by the men; or if that be firmly to their places, and enable them to resist the called horse dung or peat,) the ditches should not convenient, by having a large log chained with impetuosity of the tide. Without these precauble more than twelve roods apart. The reason I one end to the top of the post, and the other end tresting on the boat, and by the assistance of half the mud as fast as it was thrown in. This process, a dozen men, jolting up and down on it, the post is soon driven home; another is then set down oppolay off of the work. From these cribbings, in the site the last, and when done, they are secured to middle space, the mud is to be sloped backward, such distribution, the lowest and poorest parts each other by a large piece of timber called a cap, towards the top of the bank that had been previous would receive the greatest proportion of the sedimenticed to suit the tenons of these posts, and raisly finished; and before these cribbing planks can ment. Another reason, I even assign, is, that the ed up and put on them. Thus the labour of setting, be safely removed, there must be another set of drier your meadow and better the mud, the finer diving, and capping those posts is continued until cribbing plank put down, and the four rows of long and more nutritious will be the quality of the grass. these two rows are completed. After that, a single ties piled all in the same manner as the former. It is invariably the case, that you will find the row of long slim logs, (I have used many from fifty Thus we continue to draw up these cribbings next to seventy feet in length,) are to be bolted to the to the bank, and advance the new cribbings as the es, and although it may sometimes produce a tole-inside of these posts, so near low water mark as work progresses, until the breach be completed. To the work can be performed. And here I would accomplish such work to the best advantage, subobserve, that all pieces of large timber used in the stantial wheeling plank should be laid over the none of those productions will be half equal in nuconstruction of the dam, and which cross the curmiddle row of caps, for the men to run their bar-trition, to that grown on good mud. In the divirent, or run parallel with the dam, are called ties, rows on in safety; and when it is necessary to bring All pieces of timber that cross the dam and rest on their mud'from a greater distance than about eighty the posts, are called caps. All pieces of large tim- feet, another gangway should be formed, that all be unsafe for the cattle. ber driven into the mud, and connected by caps, the loaders (or, as they are sometimes called, shovelare called posts. All small timber that a man can men,) may be kept constantly at work. There handle, such as poles, boards or plank, which are should be two sets of wheelers for one set of shovelforced down by the weight of men into the mud to secure it from slipping, are called pilings. The half way to the dam, and there to meet the other long ties being bolted to the posts, prevent them set returning with their empty barrows. At this important to have it sown as speedily as practicable. rocking about by the rapidity of the current; and place they exchange their barrows; those who of the main support to the tops of the came up loaded, return with their empty barrows against them, and confine the rows to be again filled, while the others, turning I known that a delay for a year or two, has cost a mud to its proper place. Another set of posts, about, proceed to discharge their loads in the breach. length of time and labour to put in the seed, and much shorter and lighter than the former, are driven That all parts of the work might advance aright, even then to very little purpose. Should the marsh midway in the space between the large posts, and there should also be two large flat-bottom boats, have on it a great quantity of wild herbage; no pressed hard against and inside of the long ties. (scows,) which could be very advantageously emonther to the seed plentifully, and you will in a year or other short and light posts are driven down and the other on the outside, with hands sufficient to two see your account in it. If any part should recapped, on a range with the surface of the marsh. work them. Their business should be to bring main not seeded when the winter sets in, you may

caps of the outer posts, forming for these two mid-that the labourers are employed, a few trusty men dle rows of posts two complete rows of long ties, should be stationed in the mud at the dam, and which are bolted to the large posts, and the in-rows should be ordered to pack every wheelbarrow load of small posts are bolted to these long ties. Thus as it is delivered. Should the mud happen to be the mud, and four separate rows of pilings to se-spread over it occasionally very thin layers of fine cure it within, so as to receive the body of the dam brush, or, what is equally proper, three-sipare

DITCHES.

The marsh being perfectly enclosed, and the tide ty along the ditches, and spread its fertilizing qualities through all parts of the meadows; and also by loose or peaty soil in the lowest parts of all marshvation, a prolific crop of the improved grasses; still sions of the marsh, let all the ditches be cut eight feet wide by three feet dccp; a narrow ditch would

SEEDING OF MEADOWS.

As soon as possible after the marsh has been en-These outside posts are secured by a single row of mud from the sides of the creek, and discharge burn off the rubbish (if you think best,) and comlong ties bolted to them; a second row of long ties their loads into the two outer spaces, viz. the footmence sowing your seed in February; and that it are then put on the inside of the large or middle ings, by throwing the mud with force against the may be evenly scattered over the surface of the

marsh, sow the luts twice, by crossing the first with | derably brackish, but not so much as those border- was detained in my level water furrows to nourish the second sowing. The roller is always to be pre- ing on the ocean. It is asked, what method should the roots of my famished corn plants, while in the the second sowing. The roller is always to be pre-ferred for the purpose of beating down the rubbish, rather than destroy it by burning. It is the prace-tice here to sow the grass seed among the reeds, flags and wild oats, disregarding their height. I have been credibly informed a man a few miles from me sowed timothy among a most extraordina-a much thicker growth of young grass the follow-line roots of my lamished corn plants, while in the farmer adopt, so as to render a light peaty mea-dow more compact? I answer, the only probable and sure way would be, to fodder his cattle through-out the winter on it: for their treading would have a tendency to consolidate the surface, and to cause from me sowed timothy among a most extraordina-a much thicker growth of young grass the follow-line roots of my lamished corn plants, while in the follow-like roots of my lamished corn plants, while in the follow-like roots of my lamished corn plants, while in the follow-like roots of my lamished corn plants, while in the follow-like roots of my lamished corn plants, while in the follow-like roots of my lamished corn plants, while in the follow-like roots of my lamished corn plants, while in the follow-like lost of some of my lamished corn plants, while in the follow-like roots of my lamished corn plants, while in the follow-like roots of my lamished corn plants, while in the follow-like lost of some of my lamished corn plants, while in the follow-like lost of some of my lamished corn plants, while in the follow-like lost of some of my lamished corn plants, while in the sold of some of my lamished corn plants, while in the sold of some of my lamished corn plants, while in the sold of some of my lamished corn plants, while in the sold of some of my lamished corn plants, while in the sold of some of my lamished corn plants, while in the sold of some of my lamished corn plants, while in the sold of some of my lamished corn plants, while in the sold of some of my lamished corn plants, while in the sold of some of ry growth of such plants, and who, when the seed- ing spring. It may appear incredible to those per knuckles, ere they can plainly see what is fairly set ing was finished, took a common gate (not having a roller,) and dragged it over the rubbish I tell them that a mass of such peat or horse dung with a vengeance." until it was flattened down; the rubbish soon rot-mud, as large as a hogshead or wagon body, exted upon the moist surface, and afforded an abun- posed for a few weeks in summer to the sun and dant nutriment for the tender sets; the consequence winds, would take fire as soon as it was applied; or was an extraordinary crop of grass the following if thrown into water, would float as light as a cork; year.

seed should be sown on the marsh, while it is yet in would astonish the beholder to view the abundant serve particular attention.] its wet state, and before the frost of winter or heat | crop. The innumerable roots of the herdgrass, J. S. Skinner, Fsq. of suromer, should either pulverize or dry the sur-while they obstruct the rays of the sun, and the face; for both these natural causes operating on the surface after the seed has been sown, will do more time shut in and retain the moisture for their own tender grass an opportunity to take root; while at ways: 1st. Partial. 2d. Effectual. 3d. Internal. the same time their continued treading of the soil, tends to bury the seed among the loose and decaying rubbish, and to render the surface mure com pact; for on that depends the growth of the artificial grasses, and the destruction at the same time of the wild plants. I consider as a truth, that the mellower a marsh is made, the less liable are grass seeds to take root, (although directly the reverse is the case in upland,) or, if they should happen to

of soil should be sown with herdgrass, while it is farming, has withered the patriousin and uplooted yet new and in its wet state, and before it has time the attachments of many, who are transferring further charge.

While it is their affections from the sunny dales of North Ca-Yours, most truly,

JOHN BARNEY. yet wet, a sward of herdgrass may be formed upon it, and by pasturing it closely for some time, it will other parts of the state are bountifully favoured. its innumerable long and very fine roots, and from of the purchase. the production of such an immense quantity of seed,

yet, extraordinary as it may appear, (if proper care I would wish to be distinctly understood, that the be taken to get a sward of herdgrass upon it,) it night say, thousands of dollars worth of labour very light and porous, that a man in attempting to could effect. After the seed shall have been sown, walk over it would sink to the depth of his ancles. (and from long experience I can assert,) that the Am I asked by what method are meadows to be hest and only sure way of speedily getting your continued improveable, so that they may be ren meadow into grass, is to pasture it, as severely as dered capable of yielding considerable quantities possible, for the first and even second year. The of grass by the ordinary resources of any practicawild herbage being kept down by the number of ble farmer, and that in the most easy and least excattle continually feeding thereon, will afford the pensive way? I answer, by irrigation in three

(To be continued.)

HORIZONTAL PLOUGHING.

Its great advantages in protecting crops from the effect of severe drought—from a correspondent in a middle county of North Carolina.

then be useful for mowing for many years. I would In all the low country where droughts are generally never recommend the sowing of herdgrass on good favourable, the corn crops are very abundant, and mud, because the timothy, clovers and green grass, for a line of fifty miles in width across the state are all far preferable, much more nutritious, and next to the Alleghany mountains, the crops are exbear pasturing until quite late; on the contrary, the cellent. If the numerous rivers which traverse our herdgrass is not so good for pasture, nor will it re-state, were navigable, the abundance of one section

"Our system of farming, or rather, our total want live on, provided they use economy and care. which are so easily shattered out and wasted by the wind every where; that should but a very small lamity. We cultivate little for the sustenance of portion of the seed be mixed with the other grasses man or beast, excepting Indian corn; and when that and sown on blue mud, it would be discovered in a staff fails, we have not another to lean upon. Few persons that the herdgrass had obtained the complete ascendancy. The herdgrass is admirationably adapted for the salt marshes. It is wonderful sidering that by this variety we are supplying the red salt grass; and in proportion as it acquires the red salt grass the red sal strength and root, so in the same proportion does empt from it myself; but thanks to one improvement that it gives them a lesson that they will not forget it take the place of that natural proprietor of the which I have adopted, I shall make enough for my soon, saline soil. When I speak of salt marshes, I wish own use, and a little for the wants of others; it is horito be understood, those marshes which are consilizontal ploughing. A hasty rain or two which fell,

HINTS ON SHEEP.

[The following hints from one of the most judicious graziers that ever settled in our country, de-

Philadelphia, Aug. 1, 1826.

Sir .- I take liberty in sending you a few hints on the subject of sheep. If you should think them of surface after the seed has been sown, will do more time shut in and retain the moisture for their own any interest to the publick, you are at liberty to for the embryo seed just springing into existence, benefit; yet, if cultivation in proper time should be give them a place in your useful paper. than (in large bodies of marsh,) hundreds, nay, I neglected, this kind of marsh will finally become so season has arrived in which every good shepherd should attend strictly to his flock; he will wean his lambs, select his oldest ewes for fattening, and give them the best pasture on his farm, and the worst to his ewes intended to keep over, to be turned with the ram on or about the first of September. He should be looking around him at his neighbours' sheep. . If he sees a ram, or a few ewes better than any of his own, he should by all means purchase them; but if not, then select one of his best rams from his own flock. To do this he ought to have at least ten to make his selection from, providing his flock of cwes amounts to fifty in number. Let the great men of these times say what they may about breeding in and in, I have been running rams selected from my own flock for twelve years past, and should have continued to follow the same rule had I not have seen your imported one. I believe he "The extremely severe drought which has visited excels in two particular points -size and wool; but take root, they might vegetate for a while; but, this state, and so far as I can learn, the United for fattening qualities and beautiful forms, I think when the heat and droughts come on, they will most the middle counties of North Carolina. Corn crops friends feel a desire to become purchasers of this Different marsh soils require different kinds of on our good lands have heen diminished one half, valuable breed of sheep, (sometimes termed Bakesced. The firm blue mud is best adapted for green and on poor thin soils, which comprise a very conwell or Dishley sheep) I have a few ewes and rams grass, timothy and the clovers, particularly the siderable proportion of the whole, the diminution white. The light spongy marsh (called horse dung or peat,) is fitted for none other than the herdgrass, absolute famine stares not a few in the face. The Immediately after the bank is completed, this kind drought, co-operating with our poor soil and bad of soil should be sown with herdgrass, while it is farming, has withered the patriotism and uprooted ware, or in Philadelphia and Baltimore, free of any

PROSPECT OF CROPS.

Red House, N. C., August 27, 1826.

I believe at the time I wrote you last, I gave you a very flattering account of the state of our crops; sist the effects of a late frost in the spring, nor could readily relieve the wants of another; but but the seasons since that time, until a short time an early one in the fall. Besides, it has a wonder-they flow in vain, and the expense of transporting past, have been very inauspicious, but I am in ful tendency to root out all the other grasses, with bread stuffs to places of want will exceed the cost hopes that the farmers in my neighbourhood will make abundant crops, or at least a sufficiency to

Yours, &c., very respectfully, JAMES W. JEFFREYS.

HORTICULTURE.

ON THE CULTURE OF THE GRAPE.

Columbia, S. C., Aug. 20, 1826. J. S. SKINNER, Esq. Sir,-Having promised you, or rather threatened you with a communication on the subject of the grape, I must keep my word, at the risk of only say blamed by "An Old Man" (your late correspondent.) trained to this height; for this must be done gradufor writing as if I thought the farmers and planters of ally; or else one would run the risk of having the this country were still learning the A, B, C, of agriculture. And, in truth, many have not gone much further in the rudiments of it as a science. I hope, year from the third; but the vines will not be fully however, I shall not be accused of this, particularly as the branch of which I treat, according to my litin this country; and the experience and practice of I think ten feet one way by seven or eight the other, on the side opposite to the sloping of the plants. other countries, however valuable they may be, are will do very well; and even if the soil is good, the that the stakes may not injure the tender roots. not to be absolutely relied on, and implicitly follow-ed in this. I shall instance one which is of some there may be no loss in the use of the ground, I soils, but they will do best in a light sandy soil, importance, and it is this: that in France it is con would recommend to plant the vines much closer dry, and of such a degree of fertility as to produce the culture of the vine and the art of making wine, them to make room for the best, as they grow large though it will grow, thrive and do tolerably well that to make good wine the granes must be raised and require more space. as near to the ground as possible, so that they do It may not be amiss to say something here as to lected high, airy, and with a gentle slope facing not touch it, and that grapes raised higher, even the manner of planting cuttings, so as to insure the east or south; but they will do well in any exonly two or three feet, make comparatively an infe-their success; though this has been said and re-position in this climate. rior wine. This is very true there, especially in the peated in your valuable "American Farmer," and If it be true (and of this there cannot be any north and middle of France; and they, therefore, elsewhere. Good cuttings having been well select, doubt,) that a poor, light, sandy soil will produce very seldom have their vines more than four or five ed. They must be of the preceding year's growth, not only good wine, but an abundance of it, what feet high altogether, the bearing part of them being the wood being well matured; and the best are excuse can we, of the Southern states, have for sufwithin one foot of the ground, and sometimes nearer. They need this, that the heat reflected from the earth years old wood, though the next cut of a strong may sufficiently mature their grapes. Here, the great vine is also very good; have holes dug about eighardour of our summer's sun, renders this additional teen inches deep an I two feet square, or more, (the reign countries, when we can make as good, and heat not only unnecessary, but very frequently larger the holes the better—I have even thought perhaps better at home, at a much cheaper rate, burtful. Certain it is, that after an experience of it best to make a continuous trench of that depth It cannot be that we think it not worth while to add fifteen years or upwards, the consequence of almost two feet wide and the whole length of the row,) reunremitted experiments during all that time, my turn into the bottom a part of the surface vegetable grapes never have done well as long as I aimed at earth, which must for this purpose have been put having them low. I say aimed; for I could not sue-on one side of the hole or trench; and on this place soil; and there are millions of such individuals in spreading them fan fashion. They did a little better, but not so as to satisfy me In short, after having tried a variety of devices, I finally trained my of the ground. As you fill in the earth, press it Southern states, and we may find, when perhaps it vines with a naked stem seven or eight feet high, gently against the cutting, but not too late, that our security might have been affectthey will last, I hope, several years, perhaps eight nowever, planted any time until march during find than seven or eight bushes to the acre, and would or ten. So that it may be the cheapest ultimately, weather. As soon as you have your cuttings, if you not this year have produced five bushels, with all I made use of split lightwood, about the size of are not ready to plant them, bury them entirely in the care and cultivation that could have been becommon fence rails, for posts, which were placed the ground, or keep them in a cool cellar; but the ten feet one way by seven feet the other, and joined burying of them is the best. Although I have the good, but very good—better, probably, than nine them at the top by long sawed laths, three inches known vine cuttings to grow after having been settled.

whether it is that they do not see them, or can find precautions; but a little trouble taken at first may no place to perch upon, so as to eat them at their save a great deal afterwards, Indeed, in every ease, certain it is that they do not commit one thing we do, we ought to recollect this maxim, that fourth the depredation on them when thus hanging "what is worth doing at all, is worth the doing it under the cover of the leaves, than when they are well." It is a very good plan when you plant your differently exposed.

ing what most people know already, and of being acquired strength and thickness sufficiently to be each other, the tops being a few inches apart, thus. bodies of his vines too slender and too weak to do year from the third; but the vines will not be fully and fasten them upright to small stakes, stuck by formed till the sixth or seventh.

tle stock of experience, is not generally understood be planted as near each other as when kept lower, caution to put them on the back of them; that is, sidered as an indisputable fact, almost an axiom in at first, and dig up. occasionally, the weakest of from eight to fifteen bushels of corn per acre;

ceed in restraining the vigour of their growth, not your cuttings a little sloping, and fill up the hole France, Germany and Italy, who would come and withstanding all my endeavours to this effect. I with the remainder of the vegetable carth; and as custivate our neglected sandy lands, if they had the have then been obliged to give up the low vines, the quantity of it dug out may not be sufficient, means of leaving their country, and knew how and and to train them higher, about six or seven feet, rake up in the vicinity a sufficient quantity to an where to find us. This view of the subject gives and then led the bearing branches horizontally over cutting so planted had better have but one bud out ed by inducing such an increase of population as is head. I had long before thought of adopting this of the ground, provided it be a good one. The here contemplated, mode, but was deterred from it on account of its proper length for cuttings is about two feet. In There is now no doubt of success, and I have expensiveness. The frames required to support the our Southern states, I would recommend to plant this year made upwards of 150 gallons of wine on vines in this manner cost much more than in any in the fall, the sooner after the cuttings have been about half an acre of land, which, if planted in other way; but by making them of good materials, separated from the vines the better. They will do, corn, would not in a common year produce more they will last. I hope, several years, perhaps eight however, planted any time until March during mild than seven or eight bushels to the acre, and would wide and one and a half inch thick, covering the parated from the vines six months, and that without am well aware that the above assertion will draw square spaces between them with sticks and poles, having been buried or protected by any covering, upon me the incredulity of some and the sneers of with intervals between them of about eighteen inches other than the bundles of them being deposited in or two feet, so as to form a kind of trellis over head.

Another reason, also, that weighed with me considerably, is the greater inconvenience of working at had not been exposed, even one night, to the frost. then to prove its fallacy. the vines when they are raised so high. The adthe vines when they are raised so high. The advantages, however, were found to preponderate. The vines certainly bear more fruit. The grapes hang loosely, and, as it were, detached, on the under part of the ceiling. They are sheltered by the leaves from the burning heat of the sun, and the uncover it gently, and should you have reason to particularly in the North, would have destroyed all sides having neither leaves nor fruit, allow a free fear a frost after the bud has pushed, cover it gently hopes of a crop for the year; and no doubt my circulation of the air beneath, and I think prevent again with earth, and uncover it when the danger the bad effects of the hot steam that sometimes is past. In doing this, great care must be taken In order that the manner of repairing the injury

cuttings, if you have enough of them, to plant two It requires at least six or seven years from the near each other, where you intend having only one; time of planting the cuttings, for the vines to have but plant them so that the lower ends diverge from If both grow, one of them may be

taken up, at a proper time, and planted elsewhere. Suffer only one shoot to grow from each cutting, them for this purpose. In putting the stakes in the When trained in this manner, the vines must not ground to support the young vines, have the pre-

The present season has been very favourable to arises from the earth and causes the grapes to rot lest the bud or young shoot be broken off in co-by scalding the skin. There is another advantage; vering, and particularly in uncovering it. Grape which is, that the birds cannot get at them so easily; cuttings will sometimes do well without all these are always the first to grow, except sometimes

suckers from the root, which ought always to be broken off, unless wanted very particularly; and if nothing injures them, the buds below the two or three upper ones, will either not push at all, or make but slender shoots. After, then, the apparent almost total destruction of my vines by the frost, I determined to prune them over again, and I amputated, without any hesitation, every part that had whether lodged in the soil or wafted through the no means so favourable to vegetation as the milder been in the least touched with the frost. The rising sap followed the knife every where, and the bleeding of the vices was enough to frighten any one but a hold and experienced surgeon. This bleeding, most abundant as it was, did little or no injury, and it stopped after a few days. The buds that were left and had now become the upper ones, supplied the places of those that had been cut off, they pushed and bore a plenty of fruit, which the faformer term will be applied to the intro-susception that the colds of winter do not, even in this climate, entirely prevent the sap from flowing. Buds exhibit a gradual development of parts former term will be applied to the intro-susception throughout the whole of the winter, as may be seen by disconting the colds of winter do not, even in this climate, entirely prevent the sap from flowing.

value to lands within their limits, that now possess none; as that which would give us a hardy, industures secure our tranquility at home, by stifling in its very germs any disturbance in a certain part of

SCIENCE OF GARDENING. (From Loudon's Encyclopedia of Gardening.) FUNCTIONS OF VEGETABLES.

Process of Nutrition.

of plants consists, but also by what means that food, winter, as well as the great heat of summer, is by atmosphere, is taken up by the plant, conveyed to though more changeable temperature of spring and its different parts, and elaborated so as to prepare autumn, yet it does not wholly suspend the moveit for final assimilation.

gous to the mouth of animals, they are enabled to the case with plants in general, yet there is proof pushed and bore a plenty of fruit, which the latter will be applied to the into-sasception dividend the winder as may be seen vourable season brought to an early and perfect of non-elastic fluids; the latter, to that of gaseous by dissecting them at different periods. So also do maturity.

Although I must attribute in a great measure to epidermis of plants does not admit of a doubt. It of them, such as the Arbutus, Laurustinus, and the the severe drought of this summer, my success, as is proved, indisputably, that the leaves not only conthe severe drought of this summer, my success, as the severe drought of this summer, my success, as the grapes had scarcely any rot at all, I have reasons to believe that the manner of training them conduced also to this valuable exemption. I have also reason to believe that the rot of the grapes decreases as the vines grow older, and they also acquire by the age of the vines a superior degree of richness of juice, and a more perfect maturity.

Whether or not it would be fit for the legislatures of the Southern states to promote, by some efficacious means, a culture that promises so many states are proved, indisputably, that the leaves not only contained the season to believe that the manner of training them conduced also to this valuable exemption. I have also reason to believe that the rot of the grapes that they inhale it. It was the opin-lossoms, even in spite of the rigour of the season. But all this could not possibly be accomplished, if the motion of the sap was wholly suspended.—The appropriate the motion of the sap was wholly suspended.—The appropriate or the motion of the sap was wholly suspended.—The appropriate or the motion of the sap was wholly suspended.—The appropriate or the motion of the sap was wholly suspended.—The appropriate or the motion of the sap was wholly suspended.—The support of the season. But all this could not possibly be accomplished, if the motion of the sap was wholly suspended.—The support of the sap was wholly suspended.—The was part of the sap was wholly suspended.—The was passing from the rigour of the season. But all this could not possibly be accomplished, if the motion of the sap was wholly suspended.—The was passing, the motion of the sap was wholly suspended.—The was proprieted and the plant in the motion of the sap was wholly suspended.—The sap was wholly suspended.—The was passing, the motion of the sap was wholly suspended.—The sap was a culture of the rigour of the season.

We can searcely suppose it to be effected by the plant is in part of the motion of the sap efficacious means, a culture that promises so many advantages, is a question that may be worth examin-The discussion of it can do no harm, and branches. But it has been thought there are even the great influx of the sap is effected by means of may be productive of much good. I make no some of the soft and succulent parts of the plant by the productive productive of much good. I make no some of the soft and succulent parts of the plant by the productive productive of much good. hesitation in giving it as my opinion, humble though it be, that it would be perfectly proper, and that few acts of our legislatures could have so dithat few acts of our legislatures could have so divect a tendency to secure the prosperity, peace,
wealth and respectability of the countries under
their legislation, as that which would give great
value to lands within their limits, that now possess
that fruits will not ripen, and that roots will not almost wholly from the inferior side. If several thrive, if wholly deprived of air; and hence it is bores are made in the same trunk-one above anonone; as that which would give us a hardy, industrious and honest population, where we are so miserably deficient; as that which would increase the revenues of the states, by increasing their valuable productions; as that which would preserve in the productions; as that which would preserve in the country the vast sums of money annually sent abroad; as that which would have most undoubted-like the parts of the plant it enters no doubt in the state of gas. Herbs, therefore, and the soft minating the part that has been lopped off. This parts of woody plants, absorb muisture and inhale proves indubitably that the direction of the sorks. ly a tendency to render every class of our popula- parts of woody plants, absorb muisture and inhale proves indubitably that the direction of the sap's tion more moral, more healthy, and of course more bappy? In short, by what aet could our legislaporcs of their epidermis, and thus the plant effects that of ascent. But if the sap flows so copiously the intro-susception of its food.

strong and the wind northerly. At the seasons now specified, therefore, the sap is evidently in motion; but the plant will not bleed at any other season of the year. It has been the opinion of some phytologists, that the motion of the sap is wholly suspend-It is necessary to know not only in what the food cd during the winter. But though the great cold of for final assimilation.

ment of the sap. Palms may be made to bleed at Intro-susception.—As plants have no organ analo-any season of the year. And although this is not during the season of bleeding, it follows that it must its very germs any disturbance in a certain part of our present population, secure and tighten the bands that unite the United States together; for by that of absorption by the root. But the fluids the fluids the fluids the fluids that unite the United States together; for by the force our present population, secure and tighten the plant effects the intro-susception of its food, is chief-has accordingly been made the subject of calculation. To the stem of a vine cut off about two feet our strength at home would prevent the intermed-dling in our domestic concerns of our well-mean-ing, perhaps, though very dangerous friends at the North? To the cultivation of the vine I would add, to termediately conveyed to some viscus proper to give promote the same valuable ends, the cultivation of it elaboration, or immediately distributed throughmadder, silk, wool and olives, for the production of out the whole body of the plant. Our present obheight of thirty-eight inches. But this was equiwhich very profitable articles, this same tract of ject, therefore, is that of tracing out the progress of valent to a column of water of the height of forty-almost deserted country is eminently adapted.

The sap is in motion in three feet three and une-third inches: demonstration almost deserted country is eminently adapted.

How is this to be done? Induce the removal to this country of the suitable labourers from Europe; as the bleeding of plants in spring and autumn sufficiently and a country would have seemed altoshow them the way to our shores, and make it worth their while to settle among us. Very small advanfreely about the time of the opening of the bud; for the lower to the upper extremity of the plant is protheir while to settle among us. Very small advantages to them will be sufficient.

The above, which are no more than hints, deserve to be examined seriously, and more fully commented upon by one better qualified than the subscriber, who may, for his pains be called a visionative property, who may, for his pains be called a visionative property. If he labours under a delicit is the actual to the upper extremity of the plant is property in proportion as the leaves expand the sap flows pelled with a very considerable force, at least in the electric property of the plant is property to the upper to t ty man. If he labours under a delusion, it is produced by a true and sincere wish to promote the permanent advantage of his adopted country, by frost, when the heat of the sun or mildness of the ject. Some thought it ascended by the bark; others which he would be benefited in common with the air begins to produce a thaw, the sap will again thought it ascended by the bark, wood, and pith inrest of his fellow citizens, and to do all in his power flow. It will flow even where the tree has been but discriminately; and others thought it ascended between the same laudable objects.

N. HERBEMONT:

The first opinion was south side of a tree, when the heat of the sun is maintained and supported by Malpighi, and Grew

considers that the sap ascends by the bark, wood, furnished by Knight and Mirbel, whose experiments trunk; from which it follows that the sap, though and pith indiscriminately. Du Hamel stript several on the subject are considerably more luminous than flowing the most copiously in the direct line of astrees of their bark entirely, which continued, not-withstanding, to live for many years, protruding of the apple and horse-chestnut, by means of circunew leaves and new branches as before. Knight lar incisions, so as to leave detached rings of bark strint the trunk of a number of young crab-trees of with insulated leaves remaining on the stem. He a ring of bark half an inch in breadth, but the leaves then placed them in coloured infusions obtained by were protruded, and the branches elongated, as if macerating the skins of very black grapes in water; the operation had not been performed. It is evi- and, on examining the transverse section at the end dent, therefore, that the sap does not ascend by the of the experiment, it was found that the infusion bark. But it is equally evident that it does not as-had ascended by the wood beyond his incisions, and eend by the pith, at least after the first year; for also into the insulated leaves, but had not coloured then, even upon Grew's own supposition, it becomes the pith nor bark, nor the sap between the bark and either juiceless or wholly extinct: and even during wood. From the above experiment Knight conthe first year it is not absolutely necessary, if at all cludes that the sap ascends through what are called subservient to the ascent of the sap, as is proved by the common tubes of the wood and alburnum, at an experiment of Knight's. Having contrived to least till it reaches the leaves. Thus the sap is conabstract from some annual shoots a portion of their veyed to the summit of the alburnum. But Knight's pith, so as to interrupt its continuity, but not other- next object was to trace the vessels by which it is wise materially to injure the fabric of the shoot, conveyed into the leaf. The apple-tree and horse-Knight found that the growth of the shoots which chestnut were still his subjects of experiment. In had been made the subject of experiment was not the former the leaves are attached to the plant by at all affected by it.—The sap then ascends neither three strong fibres, or rather bundles of tubes, one by the bark nor pith, but by the wood only. But in the middle of the leaf-stalk, and one on each side. the whole mass of the wood throughout is not equal. In the latter they are attached by means of several ly well adapted for the purpose of conveying it. The interior and central part, or part that has acin cach case to have passed through the centre of quired its last degree of solidity, does not in general the several bundles, and through the centre only, afford it a passage. This is proved by what is call-tinging the tubes throughout almost the whole length filbert there was also observed a coloured circle surrounding the pith, but none in the pith itself, nor which of these, therefore, does the sap pass in its have shown that a branch will still continue to live amendment, to be valid, must receive not only the ascent? The best reply to this inquiry has been though the tubes leading directly to it are cut in the sanction of the authority from which the charter

ed the girdling of trees, which consists in making a of the leaf-stalk. In tracing their direction from Convention which met in the City of Washington circular gap or incision quite round the stem, and the leaf-stalk upwards, they were found to extend to on the 6th of November, 1823, and in compliance to the depth of two or three inches, so as to cut the extremity of the leaves; and in tracing their di- with the subjoined request of the Board of Commisthrough both the bark and alburnum. An oak-tree rection from the leaf-stalk downwards, they were sioners deputed by the President of the United on which Knight had performed this operation, with found to penctrate the bark and alburnum, the tubes States, and the Executives of the States of Maryaview to ascertaining the channel of the sap's ascent, exhibited not the slightest mark of vegetation reach the pith which they surround. From their tion of stock to the Chesapeake and Ohio Canal, in the spring following. The sap then does not ascend through the channel of the matured wood. tinguishing them from the common tubes of the re-assemblage of the Members of the Convention, at But if the sap ascends neither through the channel wood and alburnum, and from the spiral tubes with the place of their former meeting, on the Wednesof the bark, nor pith, nor matured wood, through what other channel does it actually ascend? The pendages; as well as from a set of other tubes which only remaining channel through which it can possi-surrounded them, but were not coloured, and which the place of their former meeting, on the wedness-which day next ensuing the first Monday, being the 6th day of December next.

The Central Committee farther recommend to bly ascend is that of the alburnum. In passing he designates by the appellation of external tubes, the Delegates of the several Counties and Corporathrough the channel of the alburnum, does the sap ascend promiscuously by the whole of the tubes composing it, or is it confined in its passage to any peculiar set? The earliest conjectures recorded on this subject are those of Grew and Malpighi, who, look the subject are those of Grew and Malpighi, who, look the tubes the subject are those of Grew and Malpighi, who, look the tubes have been already branches of the apple, pear, and vine, furnished with flowers not yet expanded, in a decoction of logwood. The central vessels were rendered application of external tubes, the Delegates of the several Counties and Corporations by which Representatives have been already branches of the apple, pear, and vine, furnished with flowers not yet expanded, in a decoction of logwood. The central vessels were rendered applications are the subject and of the convention, the committee, also, the designates by the application of external tubes, the Delegates of the several Counties and Corporations by which Representatives have been already to chosen, to cause to be supplied, in due time, by a convention, and fruit-stalk. When the fruit of the logwood in the leaf-stalk. When the fruit of the logwood is the confined in its passage to any peculiar set? The earliest conjectures recorded on this subject are those of Grew and Malpighi, who, lowers not yet expanded, in a decoction of logwood. The central vessels were rendered appropriately the formation of the confined in the leaf-stalk. When the fruit of the logwood is the confined that the sape allowed the subject are those of the subject and fruit-stalk, which was done by placing the consensual transferred to the flowers. The experiment was now transferred to the flowers by which Representatives by the flowers are the subject to the flowers. by the bark, did not yet deny that it ascends also two former was fully formed, the experiment was carnestly invite such Counties and Corporations of partly by the alburnum or wood. It occurred to succeeding phytologists that the progress of the sap vessels were detected as before; but the colouring the Chesapeake and Ohio Canal, as were not repreand the vessels through which it passes, might be matter was found to have penetrated into the fruit sented, at the last, to depute delegates to the ensutraced or ascertained by means of making plants also, diverging round the core, approaching again ing meeting.

The period which has clapsed, since the Conventhe extremities of branches of the fig, elder, honey- stamens. It was by means of a prolongation of the tion first assembled in this City, having been emsuckle, and filbert in common ink. In examining central vessels, which did not however appear to be ployed in extensive surveys of the Mountains which the two former, after being steeped for several days, the part immersed was found to be black throughout, but the upper part was tinged only in the wood, which was coloured for the length of a sconveyed. Entering by the pores of the epider-panied by minute estimates of the Potomac, accompanied by the spiral tubes beyond the fruit-separate the waters of the Ohio and the Potomac, accompanied by the spiral tubes beyond the fruit-separate the waters of the Ohio and the Potomac, accompanied by the spiral tubes beyond the fruit-separate the waters of the Ohio and the Potomac, accompanied by the spiral tubes beyond the fruit-separate the waters of the Ohio and the Potomac, accompanied by the spiral tubes beyond the fruit-separate the waters of the Ohio and the Potomac, accompanied by the spiral tubes beyond the fruit-separate the waters of the Ohio and the Potomac, accompanied by the spiral tubes beyond the fruit-separate the waters of the Ohio and the Potomac, accompanied by the spiral tubes beyond the fruit-separate the waters of the Ohio and the Potomac, accompanied by the spiral tubes beyond the fruit-separate the waters of the Ohio and the Potomac, accompanied by the spiral tubes beyond the fruit-separate the waters of the Ohio and the Potomac, accompanied by the spiral tubes beyond the fruit-separate the waters of the Ohio and the Potomac, accompanied by the spiral tubes beyond the fruit-separate the waters of the Ohio and the Potomac, accompanied by the spiral tubes beyond the fruit-separate the waters of the Ohio and the Potomac, accompanied by the spiral tubes beyond the fruit-separate the waters of the Ohio and the Potomac, accompanied by the spiral tubes beyond the fruit-separate the waters of the Ohio and the Potomac, accompanied by the spiral tubes beyond the fruit-separate the waters of the Ohio and the Potomac, accompanied by the spiral tubes beyond the fruit-separate the waters of the Ohio and the Potomac, accompanied by the spiral tubes beyond the fruit-separate the waters of the Ohio and the Potomac, foot, but more faintly and partially in proportion to the height. The pith indeed exhibited some traces of ink, but the bark and buds none. In some other it is conveyed by the longitudinal vessels of the alexamples the external layers of the wood only were burnum, to the vase of the leaf-stalk and peduncle; should be expressed on the propriety of changing tinged. In the honeysuckle the deepest shade was from which it is further transmitted to the extremity any part of the line prescribed for the proposed caabout the middle of the woody layers; and in the of the leaves, flower, and fruit. There remains a nal, in the charter granted at the instance of the question to be asked intimately connected with the Convention, by the States of Virginia, Maryland, sap's ascent Do the vessels conducting the sap and Pennsylvania, and the Congress of the U. States. in the bark. Thus it is proved that the sap ascends communicate with one another by inosculation or the late confirmatory act of the Pennsylvania through the vessels of the longitudinal fibre compo-otherwise, so as that a portion of their contents may Legislature, being founded upon recent information, sing the alburnum of woody plants, and through the be conveyed in a lateral direction, and consequent- allows to the Company, which may arise under the vessels of the several bundles of longitudinal fibre constituting the woody part of hertaceous plants. But it has been already shown that the vessels composing the woody fibre are not all of the same species. There are simple tubes, porous tubes, spiral copinions implied in the question has had its advolved to the content of the conveyed in a lateral direction, and consequent allows to the Company, which may arise under the vessels of the several bundles of longitudinal fibre ly to any part of the plant; or do they form distinct charter, authority to alter the rout of the Canal from Cumberland, towards the Ohio, in such man-having no sort of communication with one another?—Each of the two the charter, authority to alter the rout of the Canal from Cumberland, towards the Ohio, in such man-having no sort of communication with one another?—Each of the two the charter, authority to alter the rout of the Canal from Cumberland, towards the Ohio, in such man-having no sort of communication with one another?—Each of the two the charter, authority to alter the rout of the Canal from Cumberland, towards the Ohio, in such man-having no sort of communication with one another?—Each of the two the charter granted by Virginia and Maryland, altered and the charter authority to alter the rout of the Company, which may arise under the charter, authority to alter the rout of the Canal charter, authority to alter the rout of the Canal charter, authority to alter the rout of the Canal charter, authority to alter the rout of the Canal charter, authority to alter the rout of the Canal charter, authority to alter the rout of the Canal charter, authority to alter the rout of the Canal charter, authority to alter the rout of the Canal charter, authority to alter the rout of the Canal charter, authority to alter the rout of the Canal charter, authority to alter the rout of the Canal charter, authority to alter the charter, authority to alter the rout of the charter and charter the rout of the charter and charter the rout of the charter a tubes, mixed tubes, and interrupted tubes. Through cates and defenders. But Du Hamel and Knight be, itself altered, only by amendment: and such

(To be continued.)

INTERNAL IMPROVEMENT.

CHESAPEAKE AND OHIO CANAL.

THE CENTRAL COMMITTEE OF THE CHESAPEAKE AND OHIO CANAL met pursuant to the adjournment, at Brown's Hotel, when the address submitted to the Committee on the preceding day-was adopted

The Central Committee of the Convention which assembled in the Capitol of the United States on the 6th of November, 1823, to consider the means of uniting the waters of the Potomac and Ohio rivers, and of connecting them with the Northwestern Lakes, by navigable Canals-To the members of the Convention, and to the inhabitants of such Counties and Corporations of the States of the West, and Pennsylvania, Maryland, and Virginia, as feeling an interest in the object of the Convention, have not hitherto had an opportunity of sending Delegates thereto:

GENTLEMEN: Pursuant to the intention of the

emanated, but that, also, of the existing rotolinae it is hoped, and Company, whose assent to the new charter has been journey to Washington.

C. F. MERCER, Ch. C. C.

It is farther believed by the Committee, that a meeting of Delegates from the extensive Territory through which the Canal may be expected to pass, would afford the best opportunity of testing, by reference to actual experience, any estimate of the probable cost of its construction, so far as that may depend, as it must, to a great extent, on the current price of those common materials which it may require, and the wages of ordinary labour.

The agreement of the Convention, on such prinply, would exert a favourable influence in removing existing doubts, and preventing future misunderfound essential to success. Such information as mutual consultation and a comparison of facts might is to manage their domestic concerns. derive, from a source, so competent to supply it, would assist the Congress of the United States in a large expenditure, it will be deficient in all that to recommend their own ingenuity. determining the extent of the aid that expediency can benefit or grace society, and in every thing eswill warrant to an enterprise, which involving, as sential to moral order and rational happiness, if not appear in the course of this work. When these does, not only the prosperity of a district, confided objects of such a situation. exclusively to their guardianship, but the host interexistence with very powerful local interests and deep-system which can be generally applicable. rooted prejudices: interests, which will altimately, flection that every canal which can be made to unite result from the good sense and early good habits by the growing and boundless commerce of the ciples.

What one family is to do, must never be meato the diffusive light of an enlarged experience.

The surveys, to which the Committee have referthe interests of the adjacent States. It can now families, is to indulge an ambition to make an apscarcely be questioned, but that the markets of pearance above their fortunes, professions, or busi-Philadelphia and Baltimore, may be brought, by the ness, whatever these may be. junction of the Potomac with the Susquehannah, The next point, both for comfort and respecta-above the Blue Ridge, and with the Patapsco below bility, is, that all the household economy should be giving way to corrected estimates and reports; and there never was a period, the Committee are induced of consequences not only of present, but of future ed to believe, when the friends of this enterprise, injury to a family, that are too often irreparable. encompassed as it has been by peculiar difficulties,

ultimate accomplishment.

the former meeting of the Convention; the harmo-nious co-operation which it produced among so judice their health.

the funbought grace of polished society, where gluttony loses half its vice by being stripped of its nious co-operation which it produced among so judice their health. many widely dispersed friends of an extensive enwhose delegates, if elected, were unable to reach rickety and diseased, from the same cause. the Seat of Government before the Convention adjourned.

emanated, but that, also, of the existing Potomac it is hoped, an additional incentive to undertake a sent; because the mother can spare no time to at-

Washington, August 30, 1826.

LADIES' DEPARTMENT.

MANAGEMENT OF FAMILIES.

(From the Introduction to Mrs. Holland's Complete Economical Cook.)

In domestic arrangement the table is entitled to ciples of a just estimate as daily experience can sup- no small share of attention, as a well conducted system of domestic management is the foundation spised by women as below their attention, or when of every comfort, and the respectability and welstandings, where confidence and harmony may be fare of families depend in a great measure on the deration about it than, in the good housewife's prudent arrangement of the female whose province

However the fortunes of individuals may support the Chesapeake and Ohio Canal unquestionably conducted on a regular system, embracing all the are fully considered, it can no longer be thought de-

In domestic management, as in education, so ests, as well as one of the strongest bonds of the much must depend on the particular circumstances American Union, has, nevertheless, to combat for of every case, that it is impossible to lay down a tification, it is surely much more so as a means of

The immediate plan of every family must be good health. it may be hoped, surrender their jealousy to the re-adapted to its own peculiar situation, and can only

it, into fair competition with those of the District of uniform, not displaying a parade of show in one Columbia. Most erroneous and exaggerated ru-thing, and a total want of comfort in another. Be mours of the probable cost of the proposed canal are sides the contemptible appearance that this must

In great cities in particular, how common is it had so much reason as at present to confide in its that for the vanity of having a showy drawing room to receive company, the family are confined to a lie lurking in almost every dish. Yet this is both close back room, where they have scarcely either done, and taken as a compliment. We have indeed The immediate advantages which resulted from close back room, where they have scarcely either

To keep rooms for show, where the fortune is terprise; the earnest zeal which it promoted if it did equal to having a house that will accommodate the a surfeit of beef steak and porter, who does not not awaken, for the speedy completion of that enter- family properly, and admit of this also, belongs to exclaim, what a beast! prise; the favourable regard which it conciliated the sphere of life; but in private families, to shut from the Executive Government of the United up the only room perhaps in the house which is States, manifested by the President's message at the really wholesome for the family to live in, is a kind eating! and such a one will be genteel and respectaopening of the succeeding Congress, are pledges of of lingering murder; and yet how frequently this ble If a person can give his friend only a leg of similar, if not greater benefit, from the re-assemblage consideration escapes persons who mean well by of the members of the Convention, and the augmentation of their family, but have a grate, a carpet, and chairs, tation of their number by the Representatives of the people of those remote districts of country, who all when nursing a sick child, that it may be the victim kitchen furnished with clean wholesome looking though comprised in the former invitation, had not of a bright grate, and a fine carpet! Or, what is time, after receiving it, to elect their delegates, or still more wounding, to see all the children perhaps anxiety lest a good fire should spoil them; clean,

Another fruit of this evil, is the seeing more company, and in a more expensive manner than is com- well-dressed plain dinner, bespeak a sound judg-The time which the Commissioners have recom- patible with the general convenience of the family, ment and correct taste in a private family, that mended, and the Committee have adopted for the introducing with it an expense in dress, and a dissi-place it on a footing of respectability with the first renewed meeting of the Convention, is a period of pation of time, from which it suffers in various characters in the country. It is only the conforming comparative leisure from agricultural and profes ways. Not the least of these, is, the children being to our sphere, not the vainly attempting to be above it,

tend to them at home.

Social intercourse is not improved by parade, but quite the contrary; real friends, and the pleasantest kind of acquaintance, those who like to be sociable, are repulsed by it. Here is a failure, therefore, every way-the loss of what is really valuable, and an abortive attempt to be fashionable.

A fundamental error in domestic life of very serious extent, as it involves no less or even more than the former the health of the family, arises from the ignorance or mistaken notions of the mistress of the house upon the subjects of diet and cookery.

The subject of cookery is, in general, either depractically engaged in it, it is with no other consiphrase, to make the most of every thing, whether good, bad or indifferent; or to contrive a thousand mischievous compositions, both savoury and sweet,

The injuries that result from these practices will rogatory, but must be thought honourable, that a woman should make it her study to avert them. If cookery has been worth studying, as a sensual grasecoring one of the greatest of human blessings-

It is impossible to quit this part of the subject of domestic management without observing, that one the Eastern and Western waters, will be required of the parties, acting upon general rational prin- cause of a great deal of injurious cookery, originates in the same vanity of show that is productive Western and Atlantic States; and prejudices which will yield, in time, to the prevalence of a just and sured by what another family does. Each one with a greater number of dishes than the situation liberal construction of the Federal Constitution, and knows its own resources, and should consult them of the family at all requires, more cookery is often ulone. What might be meanness in one, might be undertaken than there are servants to do it well, or extravagance in another, and therefore there can conveniences in the kitchen for the purpose. Thus red, have, moreover, developed new ties of connect be no standard of reference but that of individual things are done before they are wanted for serving tion between the Chesapeake and Ohio Canal, and prudence. The most fatal of all things to private up, and stand by spoiling, to make room for others; which are again perhaps to be succeeded by something else, and too often things are served up that would be more in their place thrown away, or used for any thing rather than food.

> The leading consideration about food ought always to be its wholesomeness. Cookery may produce savoury and pretty looking dishes without their possessing any of the qualities of food. It is at the same time both a serious and ludicrous reflection that it should be thought to do honour to our triends and ourselves to set out a table where indigestion and all its train of evils, such as fever, rheumatism, gout, and the whole catalogue of human diseases grossness." When a man at a public house dies of

> How infinitely preferable is a dinner of far less show, where nobody need be afraid of what they are mutton, there is nothing to be ashamed of in it, pro-

eooking utensils, good fires, in grates that give no good table linen, the furniture of the table and sideboard good of the kind, without estentation, and a sional occupation, and when the cotemporaneous sent to school, where the girls had better never go, that can command true respect from people of good session of Congress, will afford to remote members, and the boys not at the early age they are usually sense, whose respect is most desirable.

WISCELLANZOUS.

ENTOMOLOGY.

J. S. SKINNER, Esq.

New Jersey, Aug. 22.

Sir,-1 told you, in my remarks of the 7th of July, that I was but little acquainted with the history of the Locust, and that I was not prepared to say any thing conclusively on the subject. It was more to call publick attention to the thing than to make a display of wh t little I knew. It has answered my

When I spoke of the "destruction of every green that on peach trees at least, and I confine myself to far we have a commencement to a true history. those trees, the locust does no other mischief than

that of stinging the limbs.

that eautiously as I approached them, I never was rected. able to see them deposit their eggs. If, according

have gone in couples.

will "lie torpid until spring," or some more suita ble time for hatching.

Then again, as it respects the exudation of gum, although I did not go into the minutiæ of operation, the peach tree, without an effort of nature to sheathe above ground as under. the wound with some glutinous secretion. In the case of the locust, the limb is wounded from two to

four inches in length

To heal this long wound, there is an abundance of this fluid ready; and in every instance on my peach trees, the healing process began immediately. On many limbs there is no longer any appearance of the acute angles, there is nothing to point them out but the enlargement of the cicatrice. I have pear to be nearly allied to what is so well known by pentine."

uniformly found the eggs in a healthy state.

In my communication I observed, that "so deeply are the eggs imbedded, that they require no glutinous or downy covering, and that nature, by throw ing out gum to protect the wound from the injurious her during the time she was in pup. This disorder effects of the weather, had superseded the necessity is most malignant in its effects; the incessant and se-

of any further covering for the eggs."

discloses. I have no doubt but that he is correct; in what shape it remains for sixteen years while unfor I now recollect that but one locust at a time der ground, if under ground it remains. It is to "My dog had the mange; not very bad, but someflew to a limb, but they were so exceedingly shy, this point that I wish the most vigilant search dithing much worse with it; he had eight or ten large

to my supposition, it were necessary to have the as- is one of the most accurate of men, in all matters curing dogs: he took a bottle out of his pocket, and sistance of the male in piercing the limb, they must that relate to the science of agriculture and horti-first dabbed the blotches with a bit of tow, each culture, he is one of the most patient investigators two or three times. He then stopped about five I have no doubt but that the eggs of the locust I have ever met. I only wish that he would take minutes for that to dry in and penetrate; after which have already hatched in that particular district in this matter into his serious consideration. We he took a pot of ointment, and rubbed the dog in which J. W. R. resides. He is much farther south should then get at the history of the locust in good well, for at least ten minutes, under the fore legs, than I am. But here, even in the exposure of 86° truth and in acceptable terms. I owe him this publand on the belly, but particularly on the back bone, Fahrenheit, the eggs did not hatch, although I ob- lick avowal of my opinion respecting his abilities to He then desired me not to wash the dog, or let him served that in many of the angles, and the locusts prosecute this or any similar work, for the very go into water, telling me that he would call in about here deposited all their eggs in acute angles, as degreat benefit I have derived from his Essay on fruit five days. When he called, the dog was apparentscribed in the cut accompanying my remarks, there trees, a scarce and valuable work; and I wish that ly well: so much so, that he said he did not think were many empty egg shells, but whether these you, Mr. Skinner, would encourage the author of it necessary to rub the dog again: however, I made were imperfect eggs, or whether they had arrived this valuable work to print another edition and give him dab the blotches again, and rub once more in. at maturity and had gone in the earth, I could not us coloured engravings. There is no such work in When he called to be paid, I told him that, upon tell. There is searcely a day that I do not examine America. It should be a text book with every ormy honour, if he would discover how the liquid and the limbs of a few trees that I have left with the chardist and lover of fine fruit. I do not he sitate to ointment were made, I would give him two guineas nests on, and I have never yet seen any thing like say that I owe almost all my success in rearing trees and never discover it till after his death. He conlife. I must believe, therefore, that in situations to his judicions remarks. If he would pursue the sented. The liquid is thus made: half an ounce of more northerly than that of J. W. R., many eggs subject of the locust, and would from time to time quicksilver is put into a bottle, with half an ounce subject of the locust, and would from time to time quicksilver is put into a bottle, with half an ounce communicate what he discovers to others who are of oil of turpentine, for about eight hours before yet I must insist that I was correct. The point of a their transformations; for in my opinion they, as half an ounce of quicksilver; put it into a bottle, pin eannot enter the bark of a tree, particularly of well as the beetle or may bug, do as much mischief with half an ounce of oil of turpentine; let it stand A SUBSCRIBER.

SPORTING OLIO.

DISEASES OF DOGS.

THE RED MANGE.

cut the enlargement off from several limbs and have the common appellation of mange, but to be a species of disease within itself, scated in the skin, and not always infectious amongst dogs lying together, but almost invariably communicated by a bitch to her litter of whelps, particularly if she had it upon vere itching, which, from all observation, seems ac-I should not be thus particular in explaining, or companied by a burning heat, and this too increased rather producing my sentiments again on this small by the perpetual biting and seratching of the torpoint, but that I fear others may be deterred from tured animal, gives such parts of the frame as are publishing their observations if they found that the severely affected, the appearance of having been misconception of a reader, and certainly J. W. R. scelded by some boding liquor, with a consequent purpose; for it has elicited some additional matter misconception of a reader, and certainly J. W.R. scalded by some boiling liquor, with a consequent from your correspondent, J. W.R. I hope that he did not attend sufficiently to the above remarks, loss of hair. It is this distinct kind of mange that and others may continue the investigation, until we would render them subject to be stigmatized as so constantly buffles dog doctors and dog-mongers have traced the locust through its seventeen years "unqualified asserters," and subject them likewise of every description, and reduces them to their ne "destructive career." I must be allowed the latter to ungenerous sneers. But let me not dwell on this plus ultra, where the fertility of invention can go no phrase, for I am still of opinion that the progeny of part. I am so very anxious to pursue this investi further. It is, perhaps, the most deceptive disorder so many millions of insects must, in various ways, gation thoroughly, having much at stake, inde-to which any part of the animal world can become prey on the industry of man.

gation thoroughly, having much at stake, inde-to which any part of the animal world can become pendently of my love of researches of this kind, that unluckily subject; for when it has (seemingly and rewill not quarrel with the manuer in which gentle peatedly,) submitted to, and been subdued by, some thing by their numbers and voracity," I meant the men convey their knowledge, even if it be still more of the combination of combustibles before describcaterpillars and grubs; for I, as well as those even unpalatable than that of your correspondent. He ed, it has as suddenly, as repeatedly, and as unexmore ignorant than myself, are aware of the fact has enlightened me on one or two points, and thus pectedly, made its reappearance with all its former virulence. Great care, nice attention, and long ex-We now know that the insect enters the ground perience, can discover but one infallible mode of perimmediately on leaving the shell, that is, if it be feet eradication. Let half an ounce of corrosive I did not express myself clearly on several other suffered to hatch on the ground. We must further sublimate be reduced in a glass mortar to an impalpoints in my first communication, and I am glad learn whether they crawl down from the limb on pable powder; to this, by a very small quantity at that I have met with such sharp rebuke from your which they were hatched, or whether they let them-correspondent, J. W. R., as in all remarks that are selves down to the ground by means of a web, as is wine; and, lastly, one pint of rain or river water, forced on the publick attention, there should be the the case with many caterpillars and spiders. J. W. and, with a sponge, dipt in the solution, let every greatest attention paid to clearness and brevity. In R. has described the form of the jusect, after it part palpably affected be well washed, every third endeavouring to be brief, I did not convey my opin-leaves the shell, as being, except in some trilling day, till thrice performed; then leave three clear ion distinctly. I now here state, that I alluded to particulars, "precisely similar to that from which days, and repeat the former ceremony of thrice as caterpillars, or grubs. or in whatever form the progeny might issue from the eggs of the locust.

the parent fly issues," and does not doubt "but that before; letting three mercurial purging balls be given such is its destined form when it is hereafter to make at the equal distances of three or four days, and I am perfectly satisfied now, that the female both its appearance upon the surface of the earth, after not the least doubt of cure need be entertained, if punctures the tree and lays the egg. I am much having completed its term of years beneath it." the mode prescribed is properly and judiciously at-indebted to J. W. R. for the valuable fact that he No one doubts this. I do not. I only want to know tended to.

Of the red mange, General Hanger thus speaks: blotches on his body, as big as large hazel nuts. William Coxe, Esq. of Burlington, New Jersey, sent for an old man who had made a livelihood by on the same pursuit, we should soon he able to using it: shake the bottle frequently, and shake it show the world that farmers and orchardists should always when you use it, for there will be a sediment be on the alert to exterminate the locusts in all at the bottom. The ointment is thus made: take for eight hours, shaking the bottle frequently; then take four ounces of hog's lard, and by degrees mix both together, a little of each at a time, till the whole be incorporated. He told me that he always carried two pots of ointment with him, one stronger than the other, in ease of a dog being very bad with the mange. The strongest continent was made with only three ounces of hog's lard, but The disorder called the red mange does not ap-with the same quantity of the quicksilver and tur-

BALTIMORE, FRIDAY, SEPTEMBER 8, 1826.

in the paper, that we ought not to have inserted and join them together.

some barsh expressions contained in a commu-. We have also examined the model of an im some harsh expressions contained in a communication in number 22, we have judged it best proved brick kiln, invented by the same person to declare our determination to exercise the pri- and, as far as our knowledge of combustion extends vilege of striking from any essay, any suggestion, we think it hids fair to prove valuable to those bric and to modify any expression, which may attract makers who may adopt it, it appearing ver our notice as calculated to wound the feelings of feasible to us that in such kilns the wood will bur any one. We shall not interfere in the least with to greater advantage than at present, and that any body's argument on the question in dispute; our bricks may be burnt without either arch or salmo only desire being to avoid personalties, which, if ones, and such also is the decided opinion of th inadmissible in a political paper are yet much more potters above named. so in the American Farmer. When gentlemen communicate under their proper names, those who answer them or make remarks upon their com- the conclusion of the article on raising and making munication, will be expected to give their names woad. also, if required, previous to the insertion of their observations.

On the one hand, no writer upon agricultural topicks ought to take umbrage when his opinions DEAR SIR. and judgment, publickly promulgated, are as publickly questioned, if it be done without offensive personal allusions; on the other, it is obvious that tion how to hore for water in sand, and what no theory, however ill founded it may appear, ought would probably cost to bore 14 or 16 fect; for at 1 to be questioned in a manner to wound the feelings feet we have a plenty of water, though not good or to excite, justly, the resentment of its author. Salowing to being brackish, and whether or not, b strong and constant is our desire, by a course of continuing the search for water, we should probabl strict impartiality, to avoid the least cause of com- ever get good water; for we live in a dreadful place plaint or ill will, that we would sooner relinquish for good water. The water I drink I bring from altogether a task in which we have found so much my plantation adjoining town, and it is three quar pleasure, than to make enemies of gentlemen with ters of a mile, and could good water be obtained whom we could otherwise live forever on terms of my lot by boring, it would be a great convenience esteem and friendly consideration, flowing from ad- I now have a pump, but the water cannot be used miration of their liberality, talents and publick use and besides the pump is always out of order; I have

23-The next meeting of the Trustees of the Maryland Agricultural Society is appointed to be held the columns of the Farmer, information concerning on Thursday, the 28th of this month, at the resi-boring for water through sand, I will feel myse dence of James Swann, Esq. It is expected that under obligation to them. the Committee appointed to prepare a scheme of premiums to be submitted to the Trustees, will have failed in attempts to get water by boring at fortres it ready for consideration at the time and place Monroe, and also at Harper's Ferry. In the vicin above mentioned. The Committee for that object ty of this city attempts by Mr. Disbrow have als consists of James Carroll, Jr., D. Williamson, Jr. failed, as they have yet at Alexandria, where he had and J. S. Skinner. Any suggestions on the subject gone down 3 or 400 feet. We shall be glad to hav from any member of the Society or practical farmer, the facts in these and in other cases.] will be respectfully received and considered by said Committee.

STONE-WARE PIPES.

For conveying water, &c. under ground.

pipes, made on an improved and ingenious plan, (at Paris, a very perfect and beautiful bust of Carolu least such is the opinion of two of our oldest and Linnæus, the immortal projector of systematic be most experienced potters, Messrs. Morgan and tany, and the patron of that Society. Mr. Prince, Amos) calculated to insure uniformity of size, an will be recollected, and also one of his sons, hav even surface, with a hard glaze both inside and out, been several years since elected members of tha and to which sediment will not adhere; they can be society, and this bust will be displayed at the futur made from one to eight inches in the bore. The celebrations of the Branch Linnaun Society of Net inventor is a Mr. Bakewell, who has explained to us York. Mr. Prince has also been honoured with his method of joining them together, as well as the diploma of membership by the Imperial and Roya cement he uses for that purpose, which appears Academy of Agriculture of the Georgofili at Flo casy to perform, cheap, and effectual, and it is believed that on his plan they can be made perfectly water tight; and their strength indicates that they will bear a very considerable force or pressure, and will bear a very considerable force or pressure, and as their durability and sweetness surpasses any other substance used for that purpose, and the price of them said to be but little, if any, more than that of wood, there would seem to be every probability that they will prove a valuable acquisition to the planters, farmers, distillers, and others of this country, and especially of the Southern States in conveying water. pecially of the Southern States, in conveying water of Linnaus-Editorial.

(as pure and cold as at the fountain head) to their] farm yards, homesteads, and distilleries.

N. B. These pipes can now be had from th stone-ware potters of this city, who will accompan them with an excellent and cheap cement, togethe Fin consequence of a complaint, not uttered with instructions, easily comprehended, how to la

For want of room, we are obliged to postpon

FROM A SUBSCRIBER-Information wanted well for the publick as for his benefit. Suffolk, Va. Aug. 31, 1826.

May I now ask of you to put a notice in the Far mer, as coming from a subscriber, asking informa determined to move it, and could I obtain water another place by boring, I should like it. If any your readers will be so good as to give me, throug

We have understood that the Government ha

BUST OF CAROLUS LINNEUS.

We understand that Mr William Prince, proprie tor of the Linnæan Botanic Garden at Long Island has recently received from Monsicur Thiebaut d We have lately seen a specimen of stone-ware Berneaud, Secretary of the Linnaan Society [N. Y. Com. Adv. rence.

CONTENTS OF THIS NUMBER.

On reclaiming Marsh Land, continued-Horizonta

П	PRICES C	UR	REN	T.		
е	A DANCE EC		WHOL	ESALE.	RET	AII
y	ARTICLES.	per.	from	to	from	to
r	BEEF, Baltimore Prime,	bbl.	8 00			
y	BACON, and Hams,	lb.	5	7	9	12
	BEES-WAX, Am. yellow	-	30			50
1-	COFFEE, Java,	-	16	17	20	5.2
1;	Havana, COTTON, Louisiana, &c.		15 12	14		20
۹,	Georgia Upland		10	12		
k	COTTON YARN, No. 10,	_	30			
У	An advance of 1 cent					
n	each number to No. 18.	-	101		1.0	
ıt	CANDLES, Mould,	-	123 11	14	16	18
n	Dipt,		81	10	12	15
e	FEATHERS, Live,	_	30		57	
	FISH, Herrings, Sus.	bbl.			,	
e	Shad, trimmed,		6 00	6 50		
g	FLAXSEED, Rough,	bush bbl.	75 4 50	80 4 62	5 25	6 00
9	FLOUR, Superfine, city, Fine,		4 25	3 02	0 20	6 00
-	Susquehanna, superfi.		4 00			
ıs	GUNPOWDER, Balti	$25 \mathrm{lb}$	5 00		5 50	
	GRAIN, Ind. corn, yellow		65			
3	white	-	67	71		
r-	Wheat, Family Flour, do. Lawler, & Red, new		85 75	95 80		
1 -	do. Red, Susque		80	83		
it	Rye,		60	65		
4	Barley,		80	1 00		
l,	Clover Seed, Red	bush	4 50		5 00	
y	Ruta Baga Seed,	lb. bush	2 00		2 50	scarce
y	Orchard Grass Seed, Mangel Wurtzel Seed,	- Dusii	1 25		1 50	Scarce
e	Timothy Seed,		3 00		3 50	
m	Oats	-	31	33		
r-	Beans, White,		1 70		1 87	
e.	HEMP, Russia, clean, .	ton	215 120	130		
i,	Do. Country HOPS, 1st sort,	lb.	12	190	25	
e,	HOGS' LARD,	_	7	9	12	
n	LEAD, Pig	1b.	7			
uſ	Bar		71/2	8	00	
h	LEATHER, Soal, best,		22 46	23 50	32 62½	
g	MOLASSES, sugar-house Havana, 1st qual	gal.	32	33	371/2	13
11	NAILS, 6a20d	lb.	61		9	
	NAVAL STORES, Tar,	bh}.	1 50	I 62½		
as	Pitch,		2			
SS	Turpentine, Soft,) 75 27		40	
1-	Oll., Whale, common, . Spermaceti, winter .	gal.	70	75	88	1
60	PORK, Baltimore Mess,	bbl	11 00			
15	do. Prime,		8 50			
c	PLASTER, cargo price,	ton.				
	ground,	bbl.		3		
	RICE, fresh,	lb.	12	14	18	
	Brown and yellow,		51/2	71	8	12
e.	WHISKEY, 1st proof, .	gai.	32	331	38	50
1,	PEACH BRANDY, 4th pr	-	75		1 25	
le	APPLE BRANDY, 1st pr	c lb	S4:	35 13 50	50 14	15
οľ	SUGARS, Havana White, do. Brown,	c.lb.	12 50 8 50	9 25	•	15
15	do. Brown,		8 75	9 75	10	11
)- (4	Loaf,	lb.	19	22	20	22
it e:	SPICES, Cloves,	-	70		1 00	
it	Ginger, Ground,	-	161	12	12 25	18
e	SALT, St. Ubes,	bush			75	
w	Liverpool ground	—	46	47	75	
a	StIOT, Balt. all sizes, .	clh.	9 00		12	
ıl	WINES, Madeira, L. P.	gal.	2 50	3 00	3 50	4
)-	do. Sicily,	-	1 15	1 20	1 50 1 50	2 00
	Lisbon,	doz.	1 15	1 20	5 00	1 75
=	Port, first quality,	gal.	1 65	1 85	2 50	0 00
,	WOOL, Merino, full bl'd		30	35	1 11 11	h²d on
n l	do. crossed,	-	20	2?		12p's
P	Common, Country,	_	18	22	back	& free
_	Skinners' or Pulled,	- 1	201	25	J Won	tags.
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SKINNER, Editor, by John D. Tov, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

ON RECLAIMING MARSH LAND.

By R. G. Johnson.

(From the Memoirs of the Philadelphia Agric. Society.)

(Concluded from p. 194.)

OF PARTIAL IRRIGATION.

is always to be presumed that a considerable portion of them have been brought into good grass, and that even the very high parts may have become too mud, because the flow of the common tides will be water might be drawn off, and grain or grass sown, compact, or (as it is called by the farmers.) bound, to yield that productive burden which might be expected from them; wherefore, that the surface of to let his marsh continue in its wild state after it had marsh will freshen exceedingly, and otherwise be the meadow might again be vivilied, or, as it were, been down for even ten years, for the accumulation materially improved. I would also suggest, that brought to life, from that dead state in which it is of the mud would in no way compensate for the throughout the summer, the sluices or flood gates commonly said to be, when bound, recourse should be had to irrigation. It is a common practice with some of our farmers to let the water on their meadows about New Year's day, and so continue it until may have been reclaimed, has never been considered the vegetation shows itself in the spring, and when drawn off the surface, they often have the appear-tree in that system of improvement, as a may have been committed to the soil. The height ance of a beautiful green wheat field Preparatory to irrigating, the sluices should have doors hong to bank, and turned down and drowned, and a second by the number of planks to be put down, the one their in ends, so as to admit the tide, and, by shutting down, to prevent it from running out again. two to three feet square, and a few feet longer than the width of the bank; the number of these trunks be irrigated, say one to about thirty acres. These trunks are laid in the tide bank opposite the highest parts of the meadow, and on a level with its surdifferent parts of the bank at one and the same time, through these trunks and sluices; and on every ebbing of the tide might leave its sediment incorporated with the dead and decaying vegetables of ceeded us. the surface, which, by its daily increasing in quantity augments its weight upon the falling rubbish, and with it affords the richest nutriment to the expected crop of grass. That a farmer might have the benefit of the early crop of good grass, such as timothy or green grass, which might be cut in all the month of June, and also improve the more inferior parts of his meadow by sowing grass seed on such parts as had not taken, he could, on or about the first of July, let the tide on them by the above method, and continue the process until the first of April following. He would then find, that where the rubbish had grown in the greatest quantity, and been beaten down by various causes operating on it, there the sediment (becoming incorporated with it,) had formed a new soil three or four inches in depth, completely adapted for ne reception of grass

This would be the proper ime for the farmer to profit by his former mistaks, (in delaying to sow his marsh when first reclimed,) by immediately drawing off the water and casting his seed with a liberal hand upon the smy surface of this new formed stratum, composed of putrified vegetables and mud; nor let him figet as the vegetation advances, that, for insurin a good crop of valuable grass, he must have a stock of cattle, the number of which ought to be proportion to his acres, so as to keep down the perfluous growth of the wild plants.

EFFECUAL IERIGATION. Or drownin!he Marsh, as it is called.

farmer then this it time to let down the marsh which, in meandering through the marsh, is disand drown it. his method is performed by cutting charged into the larger creek or river through the away the ban prosite the ditches, and by removsules or flood gates. Now nothing appears to me ing the mud m off the sluices; thus, the water more rational to be done, than that the farmer of any marsh is uppermost. No. 26-Vol. 8.

having a free course through all the ditches, circu-should make a right application of this fresh water; lates the sediment equally over all parts of the which to one thus situated, I consider of the greatest marsh. A period of from five to seven years is importance. To freshen this reclaimed marsh, so considered necessary to produce the desired effect. as to make it just brackish enough to produce all face of the marsh (on an average,) a stratum of to do than to shut down his inside doors to his When meadows have been some time in bank, it ed a new stratum of from twelve to twenty-eight bank (as before described,) will then vent all the inches in thickness. After that length of time, there superfluous water. Let this be done in the fall, and cannot be perceived any additional accumulation of be continued until the following spring, then the no higher than about on a level with the surface; as suited the fancy of the owner. I have no doubt and I think it would be a certain loss to any farmer that in repeating this process for two seasons, the loss of the difference of time, in which profit might should be attended to, by having boards slid in have been derived from it in the ordinary manner of them; and in the mouths of the ditches, pieces of mowing and grazing. The first time that wild marsh plank should be set edgeways, so as to keep in all meadow which had been some years previously in of the water in the ditches can easily be regulated time reclaimed and cultivated.

There should also be a number of trunks made from owing to practical knowledge in agricultural science said, that the weight of water lying for several (in which some of my neighbouring farmers have months on this peaty and light marsh, would tend displayed their talents in the judicious management to compress and render it much more susceptible should be in proportion to the number of acres to of their meadows,) that their veal has deservedly of receiving the seed to advantage when sown on it acquired the applause of the citizens of Philadelphia; and the markets of New York, as well as Philadelphia, will warrant me in saying, that the face, so that every flood might pass into it from the beef sent from Salem county has never been excelled by that supplied from any other part of the that of my neighbours. I have known good crops United States; and I have the vanity to believe, of wheat, rye, corn and oats produced; but yet I that even the best farmers in England have not ex- have considered the cultivation of grain generally

INTERNAL IRRIGATION.

vered by the water of the ocean previously to their guts; but it would be no more than a mere slip, with being reclaimed. There is an opinion generally here and there a patch, compared to the residue of be also prejudicial? I have often used the pickle from waste of time, labour and money, in endeavouring my meat tubs, and with complete success, in the to derive a profit from sowing any kind of grain on destruction of the St. John's wort, and ranstead, or the peaty or horse-dung soil; it may vegetate for a snap dragon, where they have occasionally appear-while, and produce a show of some straw, but very ed on my land. And I am inclined to believe that little, if any grain. I admit that grain has somefor several years, (and when the native vegetation when you take into consideration that all kinds of of the soil have died,) become almost a barren grain are uncertain in marsh grounds, and also the waste, and when exposed to the penetrating rays of hosts of enemies of different tribes which will prey the sun, their saline particles are extracted for some upon it, such as grub worms, mice, and birds withinches in depth, so that distinct particles of almost out number; and moreover the grasshoppers and have seen the salt in such profusion when passing over the marsh, that my shoes would be as white as conclude that the risk of the destruction would be lieve that any soil so highly impregnated with salt profit. can be rendered profitable, for a series of years, in either grain or grass. As I know that some experies of years, say six or seven.) that the loss would riments are making to reclaim this highly saturated by far overbalance the profit. In my agricultural and almost useless kind of property, I will herewith pursuits in early life, I was led to believe that the submit my opinion as to the best mode of preparing this kind of real estate, whereby the owner may all plants, and that all kinds of grain might be culculenlate on deriving more certain profit from it tivated there in great perfection. I tried different than is generally received.

the fine grasses most all gone, and the surface issuing from the uplands and woods, and by the upland was by nature intended for the production generally covered ith a coarse vegetation scarcely time they have united their numerous rills, they will both of grain and grass, but that the marshes were eatable, compose of weeds, rushes, bogs. &c., the have formed a creek of considerable size and depth, designed for grasses only

Within this time there will have formed on the sur- the improved kind of grasses, he has nothing more virgin mud, of from eight to twelve inches in depth. sluices or flood gates, and hold the water until it Should the marsh be permitted to be down for shall have raised in height, so as to cover the surover the other. Another great advantage to be de-I must here remark, that it is in a great measure rived from this process would be, as I have before

GRAIN IN MEADOWS.

I cannot say any thing in favour of the different kinds of grain, either from my own cultivation or in meadows, as much too precarious for profitable culture. You may sometimes have a beautiful and I can say but little of the salt marshes lying near strong standing crop of wheat or rye on the good the sea coast, and which had been periodically co blue mud along the bank, or edges of the creek or prevalent, that a certain portion of salt is beneficial the marsh; all the other parts will be nothing but to grain and grass: may not too great a quantity of it weeds and rubbish. I also consider it a certain all perfectly salt marshes, after having been in bank times succeeded on the good blue mud soil, but pure salt may be seen on the surface. Indeed, I cockroaches which attack the grain after it has if walking in a thick hoar frost, and I cannot be-much more probable than a fair calculation for

My judgment, therefore, is, (calculating for a kinds of grain, and succeeded in causing them to Or drownin the Marsh, as it is called.

After a meadownas been many years in bank, I have generally seen springs of good fresh water have long been satisfied in my own mind, that the There can be nothing

advancement of agricultural science, it is entirely at your service.

I am, with great respect, &c. ROBERT G. JOHNSON.

RICHARD PETERS, Esq.

HORTICULTURE.

ON MAKING WINE.

Columbia, S. C., Aug. 27, 1826. J. S. SRINNER, Esq.

inst., given you some details on my cultivation of other circumstances as much as on the quantity of ed but little in the vat is more delicate; that which the grape vine, I shall now proceed to the manner sugar it contains, whether naturally or by addition. has fermented more, but not too much, has a better and if I over value it, it is an error of judgment, suitable to make raisins than wine. My aim was, to

and it is the nature of man to err.

to avail himself, if possible, of clear dry weather whole might ferment together, and I guessed nearly must, be it ever so weak, as Major Adlum recomfor this purpose. I find that seissors are much right; for, had my press been better, I should have mends. I know very well that when the grapes are more convenient than knives for the gathering of had a few gallons more of juice. the grapes, which ought to be cut off with as little a box full of small holes at the bottom and sides, tance. ed; so that, if possible, not one berry-remains

How long the grapes are to remain fermenting in follow nearly, though not closely, his directions, on pulpy, black grapes, which we call here "Black Hamburg," of which I had a small quantity. I tuo much.

The tilling up of the casks during the fermenta
The filling up of the casks during the fermenta
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The tilling up of the casks during the fermenta
The tilling up of the casks during the fermentaed by Beame's areometer for syrups, 9°. I added tive pounds of good brown sugar, which raised it to 15°, which I thought sufficient. The fermentaoff and pressing, I obtained 41 gallons of must.

ones, as also the green ones, having been carefully loss, to insure success. separated. The must or juice weighed 10°, by the With regard to term

tical observations and opinions in answer to a part of the twelfth inquiry, as stated in the 4th vol. p. 307, of the Memoirs of "The Philadelphia Society highly coloured than that made the three preceding fermenting too long in the vat, by acquiring too for promoting Agriculture." Should any thing I years, owing, I presume, to the superior maturity harsh or other bad taste, particularly if the rotten have written, be considered of utility in aiding the the same process by which I made a few more gal- satisfied that there cannot be any danger, if the luns of wine; some with a grape I call (perhaps must is drawn off and pressed out before the ferwrongly,) Red Muscat, and some with our native mentation subsides, and the cap falls, (as it is callgrape, ealled here Black Summer grape, which had ed.) As the fermentation goes on the grapes rise been some time in a state of cultivation, by which to the top, and form a kind of covering to the rest, it is, I think, considerably improved. The must (called le chapeau de la vendange.) This covering is obtained from it was very rich, and promises to convex. Now, the must is generally suffered to make a good wine, resembling, perhaps, Port or ferment in the vat (in France,) until this convexity Claret. The quantity of it made is too small for a begins to lessen or flatten; but it is thought, and it fair experiment, being only 33 gallons.

than it really is. It is certainly of some importance, which it contains. Such grapes are, perhaps, more noisseurs.

I must observe that the must of the Madeira of the stem as possible; recommending to the ga- grapes has fermented in the vat about lifteen hours, therers to cut off all the unsound berries, as also which is a longer time than Mr. M Call, of Georgia, as rich grapes as old ones; and that, therefore, it is those that are too green. 'This is, I think, better allows for his. Yet, had I used my own judgment, done while gathering than after they have been I should have suffered it to ferment at least double brought to the vat, as in the latter case, the grapes or triple that time: but I depended on his successful sugar to a gallon of juice that must already contain must be all handled a second time, which is a very experiment, knowing that no other disadvantage a considerable quantity of it, is to make a must troublesome operation when the quantity is great would result from it than the loss of colour, and of richer in sugar, I should think, than any that can

mashing only a small quantity at a time, and when changed the taste of the must from sweet and sunever used as an every day drink, being too sweet sufficiently done, turn it into the vat, and go on so gary to sharp and vinous. At first, the bung holes and too lescious for the taste of most people: nor till the whole of the grapes are well and fully bruis- must be but slightly covered. My method is to are they considered as wholesome, at least for concover them with two or three grape leaves and load them with sand. This forms a kind of valve, that have taken up in this country, that there is no wine suffers the gaseous vapours and the froth to escape, made in Europe without the addition of sugar, and How long the grapes are to remain fermenting in the vat, is a question not easily answered, as it depends on many circumstances: such as the progress and violence, or gentleness of the fermentation, and to without expusing the must, unnecessarily, to a too some add brandy, it is undoubtedly an error; and I free contact with the external air. The fermentation and to will be carried to the must in France, except it be by experimentation. other day. This gradually decreased, however, rimentalists. I must lways except those wines that the object one has particularly in view as to the uther day. This gradually decreased, however, rimentalists. I must live as except those wines that kind of wine intended to be made. Having been and on the 19th it had considerably subsided, which are manufactured by merchants for expertation, to suit the vitiated palate of those who think rine is induced by Mr. M Call's (of Georgia,) success, to induced me to put the bungs in the casks, leaving a suit the vitiated palate of those who think wine is small hole on one side loosely stopped with a peg. only intended to produe a degree of intoxication. the 27th of July I gathered a large kind of coarse, The casks had been previously filled to within a and will not admit a wie to be good that will not

tion, gives it a fresh spring, and causes the foam to is it added by the rich prorietors of vineyards in run over; which, I think causes a great waste. I the making of their wine; and I will venture to to 15°, which I thought sufficient. The fermentation proceeded but slowly; I suffered it to go on in the vat for twenty-two hours, when on drawing it I know is the practice of many vignerons in France,) the grape itself. I know that e addition of sugar On the 7th of August, I gathered my Madeira grapes, which are my chief stuck. The few rotten willing to spare any trouble, and to incur a small the grapes have not acquired aufficient degree of

same arcometer. I then added 102 pounds of sugar, time as Mr. M Call does, the best prouf of its being proper as I admit it to be, has nebeen followed, after which it weighed 14½°, with which I was satisfied. The temperature of the atmosphere being comparatively cool, the thermometer ranging in the shade from 75 to 88°, (it must have been somewhat less in my collar, where my vet was) the forments the temperature of the atmosphere being in the shade from 75 to 88°, (it must have been somewhat less in my collar, where my vet was) the forments the temperature of the atmosphere being in the shade from 75 to 88°, (it must have been somewhat less in my collar, where my vet was) the forments the temperature of the atmosphere being in the very few places, if any where at all, suffered to ferdy it is never done at all, except, I have said seen to be a very seal to said to s less in my cellar, where my vat was,) the fermenta- places from six to ten or twelve days, and even to bear a sea voyage, and to suit paquiar tastes.

I have herein endeavoured to give you my praction went on slowly for tifteen hours, when on draw-sometimes more. This is particularly recommendis, no doubt, improper to wait till it falls entirely; It appears to me that the use of Beame's areome- and, to be on the safe side, they had rather take the ter is somewhat illusory; for the sinking more or must from the vat a little too soon than ever so Sir-Having in my last communication of the 20th less of the instrument in the must, may depend on little too late. I believe the wine that has fermentof making the wine; at least that which I followed, Sume grapes that are very pulpy, such are my black body, more colour, and is rendered more durable, together with a few observations on the subject. Hamburg and red Muscat, yield a very thick juice, probably by the astringency it has acquired from My partiality to this branch of agriculture may into which the areometer will not sink freely; owing, the wood of the grape. The latter is also consimake me view it as more important and valuable I presume, to the thick mucilaginous substance dered more wholesome, and is preferred by con-

Although Mr. M'Call puts (in my opinion,) too add about 3 of a pound of sugar per gallon; the much sugar in his must, Major Adlum puts a great The time best adapted for vintage is when the grapes are very fully ripe, and the cultivator ought was added before the grapes were pressed, that the propriety of adding 3 pounds of sugar per gallon of not sufficiently ripe they do not contain a sufficient quantity of saccharine matter to give a due strength to the wine, and that young vines do not produce proper to add to them what they are deficient in. But it seems to me, that by adding 3 pounds of Care must be taken to gather in one day all that is a certain astringency, which I think is a good and to be fermented at the same time in the vat. When the grapes are all ready, mash them thoroughly in the grapes are all ready, mash them thoroughly in the grapes are all ready, mash them thoroughly in the grapes are all ready, mash them thoroughly in the grapes have been, previous to pressing, partly dried in the sun, which is sometimes practised to placed over the vat and supported there by two pieces across it. This operation is done gradually, continue to ferment until the fermentation had casionally and in very small quantities, and are maturity, or when an uncommy wet year has With regard to fermenting in the vat so short a made the grapes too watery Thiadvice, however,

wine, and not wine of brandy.

But why should we attach so much importance enough when they can be kept perfectly sound and improving for years? Are we not aware of the inuse of wine, is to make it a blessing and not a curse. and the Mosses, that will continue not only to vereparent of health and good morals, and to invigorate debilitated constitutions, &c.

it could possibly do no harm.

ble degrec.

I am, very respectfully, dear sir, Your obed't serv't, N. HERBEMONT.

SCIENCE OF GARDENING.

(From Loudon's Encyclopedia of Gardening.)

FUNCTIONS OF VEGETABLES.

Causes of the Sip's Ascent.

By what power is the sep propelled? Grew states

becomes then prejudicial both to the ascent of the has presented us with another which, whatever may sap and also to the growth of the plant. Hales found be its real value, merits at least our particular noto the strength of our wines? Are they not strong that the sap flows less rapidly at mid-day than in the tice, as coming from an author who stands deservedmorning; and every body knows that vegetation is ly high in the list of phytological writers. This less luxuriant at midsummer than in the spring. So theory rests upon the principle of the contraction jury done to the human constitution by the too free also in the case of forcing it happens but too often and dilatation, not of the sap-vessels themselves, as use of strong drinks? Do we not know that tem-that the produce of the hot house is totally destroy- in the theory of Saussure, but of what Knight perance conduces to a long and healthful life? Do ed by the unskilful application of heat; and if heat is we see in the wine countries of Europe, where light actually the cause of the sap's ascent, how comes it wines are generally used, dyspepsias, liver combatt that the degree necessary to produce the effect is so fluids. (Phil. Trans. 1801.) P. Keith considers this plaints, &c., which are committing such ravages in this country? It appears to me that the rational are many plants, such as the Arbutus, Laurustinus. We show much better our gratitude to a beneficent tate, but to protrude their blossoms and mature God, by using that kind gift of his for the very pur-their fruit, even in the midst of winter, when the poses for which it seems to have been intended, viz. temperature is at the lowest. And in the case of to exhilirate our hearts, produce cheerfulness, the submarine plants the temperature can never be very high; so that although heat does no doubt facilitate the ascent of the sap by its tendency to make When I began this, I had no intention to finish the vessels expand, yet it cannot be regarded as the by moralizing; but my prosing pen would go on, efficient cause, since the sap is proved to be in mo-and I suffered it, in the hope that if it did no good, tion even throughout the whole of the winter. Du Hamel endeavours, however, to strengthen the ope-As I have in the above occasionally mentioned ration of heat by means of the influence of humidity. two gentlemen's names, with whom I somewhat as being also powerful in promoting the ascent of then they are cast into heaps, where they ferment, differ in opinions and practice, I beg to assure them the sap, whether as relative to the season of the year and gain an adhesive consistence; they are then and the world, that nothing is farther from my or time of the day. The influence of the humidity formed into halls as compact as possible, and placed wishes than to detract from their merits or provoke of the atmosphere cannot be conceived to operate on hurdles, lying in a shed, one over the other, with any discussion on this subject, other than that which as a propelling cause, though it may easily be con-room for air between, to receive from the atmosmay promote the good object we all have in view, ceived to operate as affording a facility to the ascent phere a principle which is said to improve them as and that I would not willingly hurt the feelings of of the sap in one way or other; which under certain a dyc, as well as to dry them to a degree proper for any person on earth. I assure them that if I do not circumstances is capable of most extraordinary acheing fermented; but in summer these balls are apt agree with them in every thing, I perfectly agree celeration, but particularly in that state of the at- to crack in drying, and become fly-blown, when with them in many, and I hope their continued exertions will be crowned with the most complete such a state a stalk of wheat was observed by Du or destroy all that is useful to the dyer. Therefore, success. We certainly agree perfectly in the principal object, which is, to induce the cultivation of barley six inches, and a shoot of a vine almost two to crack, to look them all over well, close them the vine extensively, make good wine and much of feet; but this is a state that occurs but seldom, and again so as to render them as compact and solid as it, and thereby benefit our country in an incalcula- cannot be of much service in the general propulsion possible; and if the magget or worm has already of the sap. On this intricate but important subject generated, some fine flour lime strewed over it will Linnæus appears to have embraced the opinion of destroy them, and be of much service in the fer-Du Hamel, or an opinion very nearly allied to it; but mentation. These halls, if properly preserved, will does not seem to have strengthened it by any new be very heavy; but if worm eaten, they will be very accession of argument; so that none of the hitherto light and of little value. They are then to be realleged causes can be regarded as adequate to the placed on the hurdles, and turned, not being suffer-production of the effect. Perhaps the only cause that ed to touch each other; until a month or more after has ever been suggested as appearing to be at all the whole that is intended for one fermenting couch, adequate to the production of the effect, is that al- is gathered in, ground, and balled. And often not leged by M. Saussure, According to Saussure the until the hot weather of summer is past, to render cause of the sap's ascent is to be found in a peculiar the offensive operation of turning it, when in the By what power is the sep propelled? Grew states species of irritability inherent in the sap vessels couch, less disagreeable, and not so apt to overheat; two hypotheses: its volutile nature and magnetic themselves, and dependant upon vegetable life; in and, though temperature herein is necessary, yet a tendency, aided by the agency of fermentation, consequence of which they are rendered capable of certain degree of heat must be attained, before it is Malpighi was of opinion that the sap ascends by a certain degree of contraction, according as the inmeans of the contraction and dilatation of the air ternal surface is affected by the application of stimucontained in the air-ressels.

M. De la Hire atli, as well as of subsequent dilatation according as which is most putrid, and offensive, to one which is tempted to account for the phenomenon by combinthe action of the stimulus subsides; thus admitting more agreeable and sweet. if I may be allowed the
ing together the thories of Grew and Malpighi; and propelling the sap by alternate dilatation and
term; for few people, at first, either can approve
and Borelli, who enleavoured to render their theocontraction. In order to give elucidation to the subof the smell of woad, or a woad vat; though, when ry more perfect by bringing to its aid the influence ject, let the tube be supposed to consist of an in- in condition, it becomes quite agreeable to those of the condensation and rarification of the air and definite number of hollow cylinders united one to whose business it is to attend to the vats. Woad is juices of the plant. Du Hamel directed his efforts another, and let the sap be supposed to enter the in this state of fermentation more or less time, acto the solution of the difficulty, by endeavouring to first cylinder by suction, or by capillary attraction, cording to the season, and the degree of heat it is account for the henomena from the agency of heat, or by any other adequate means; then the first cyand and chiefly on the following grounds: Because the linder being excited by the stimulus of the sap, besap begins to tow more copiously as the warmth of gins gradually to contract, and to propel the con- process; but the best woad is produced from a heat spring return; because the sap is sometimes found tained fluid into the cylinder immediately above it temperately brought forward in the couch, until at to flow on the south side of a tree before it flows on the south side, that is, on the side exposed to the in- on in the same manner, is affected in the same which a proper degree of attention will soon disfluence of tie sun's heat some than on the side deprived of \(\xi\), because plants may be made to vegecylinder to cylinder till it reaches the summit of tate even n the winter, by means of forcing them in the plant. So also when the first cylinder has and require to be broken with a mallet, and put into a hot-hoise; and because plants raised in a hot-discharged its contents into the second, and is no a heap, and watered to a due degree, only sofficient house poduce their fruit earlier than such as vegetonger acted upon by the stimulus of the sap, it to begins again to be dilated to its original capacity, and begins again to be dilated to its original capacity, and begins again to be dilated to its original capacity, and here is a crisis necessary to be great stility of heat in forwarding the progress of vegetion; but it will not therefore follow that the motion and ascent of the sap are to be attributed to a fue degree, only sometime to promote fermentation, but too much moisture to would retard it; and here is a crisis necessary to be attended to. When the couch has attained its due point, it is opened, spread, and turned, until reguntits gency. On the contrary, it is very well known the simplest as well as most satisfactory of all theofore sale, but the immediate use of wood, new from

We ought to remember that brandy is made of that if the temperature exceeds a certain degree, it ries accounting for the ascent of the sap. But Knight denominates the silver grain, assisted perhaps by theory of Knight as beset with so many difficulties, and the agency of the alleged cause as so totally inadequate to the production of the effect to be accomplished, that of all theories on the subject it is perhaps the least satisfactory.

RURAL ECONOMY.

ON RAISING AND MAKING WOAD FOR THE BLUE VAT.

(From Partridge's Practical Treatise on Dyeing.) (Concluded from p. 191.)

These mills grind and cut the leaves small, and

The balls, when dry, are very hard and compact,

the couch, is not advised by dyers who are experienced; for new woad is not so regular in its fermentation in the blue vat. This is the common proclaim of the principles of its dye, folwho know nothing of the principles of its dye, following only their accustomed process of preparing and then it will soon be known. Good woad, such increased by plentiful showers happening to fall imit; and hence the difference in its quality is as often as the richest land produces, if properly preparing mediately after each gathering. When the leaves seen, as it is in the real richness or poverty of its ed, will be of a blackish green, and mouldy, and leaves, from the quality of the land. The process when small lumps are pulled asunder, the fracture ends, and a purple spot in the interior of the ring; for preparing woad which I have followed, and and fibres are brown; and the more stringy they which I consider beyond all comparison best, is as are, and the darker the external appearance, and must be gathered. follows:

to a paste, which in fine weather children can do. putrefaction. In wet weather my method was to carry them to more attention, and also the application of lime occasionally, to regulate the process with the same kind of judgment as is used in the blue dyeing woad dyer. vat. When the heat increases too rapidly, turning is indispensably necessary, and the application of very fine flour lime, regularly strewed over every laying of them; or, if the couch is getting too dry, though I conceive that the gross dry flour lime, and siderable latitude may be observed in the process, the oxygen of the air, will furnish more carbonic without injuring the article; and this will be further acid gas to the woad, and retain such principles as proved in my own process, as follows:are essential to a better effect. For I have expetakes the wost time, is the best; so that at length it manured. comes to that heat which is indispensable for the production of good woad.

In this couch it is always particularly necessary be reduced to a paste, by rendering it as smooth as possible, and free from cracks. This prevents the escape of much carbonic acid gas, (which is furdestroy them. It is surprising to observe what a degree of heat they will bear. This attention to also to turning the woad exactly as a dung-heap, plant them. digging perpendicularly to the bottom. The couch-

possible.

The grower of woad should erect a long shed in the centre of his land, facing the south, the ground ed and spread upon all the unoccupied fluors of the ed in the charter, and extends from Georgetown to lying on a descent, so as to admit the sun to the

as gathered, and spread thin at one end, keeping when all the crops were mixed together. the greener the hue, the better the woad; but poor all must be observed, that I laboured under every land produces it of a light brownish green. The disadvantage in manufacturing the woad, so as to them, so as not to let them heat, and so be reduced fibres only serve to show that it has not suffered by make it fit for dyeing; the crops were good, and

my stove, and when I had got a sufficient quantity ther preparation. They are beaten with wooden to expect. Having made it myself, I was not redry, I proceeded to the couch and there put them mallets, on a brick or stone floor, into a gross pow-stricted in the consumption, and I made up for the in a large heap, where, if not too dry, they soon der, which is heaped up in the middle of the room, quality by using an additional quantity. begin to ferment and heat. If too wet, they would to the height of four feet, a space being left for a lawe seen a good deal of woad raised and manot properly ferment, nor readily become in condi-passing round the sides. The powder, moistened nufactured in England, and I am convinced that tion for the dyer. These leaves, not having been with water, ferments, grows hot, and throws out a where land of the first rate quality can be obtainground, nor placed in balls on the hurdles, their thick and fetid fume. It is shovelled backward and ed, and proper attention be paid to cultivating and fermenting quality was more active, and required forward, and moistened every day for twelve days; manufacturing, it may be raised and made in this after which it is stirred less frequently, without country in the utmost perfection. It is an annual watering, and at length made into a heap for the crop well worth the attention of any enterprising

the manner of raising woad, and manufacturing the machinery for working it. The mill used for grindplant by Mr. Parish. I was well acquainted with ing the leaves, is like the cider-mill that grinds with Mr. P.; he was an excellent dyer and made a great a rolling stone, or iron ring, in a circular trough, lime water, instead of common water, applied by a many experiments, and his process of making woad with this difference, that the woad mill has knives watering pot, may have an equal effect, without was much spoken of by other dyers, as being a following the roller, which cuts the plant as it moves loading the woad with the gross matter of the lime; great improvement. It serves to show that a con-round: this, with a shed and a couching room, are siderable latitude may be observed in the process, all that is needed to commence the business.

The land on which I raised woad in Providence, done as early as the season would permit, and it considerable magnitude, attended with a liberal reto secure the surface as soon as the leaves begin to came up very fine, scarcely a seed failing. To fa- muneration. cilitate the planting, I had a board cut four feet in length, and nine inches wide; at one end I put in five short pegs, that projected two inches from the nished by the limet and the fermentation,) and also board on the underneath part, the pegs being four preserves it from the flies, maggots, and worms, inches apart. A handle was inserted in the middle which often are seen in those parts where the heat of the board, of sufficient length to enable the peris not so great, or the line in sufficient quantity to son who worked with it to stand upright; by this rendering the surface of the couch even and com- that he made the holes for the seeds; and this he from the Engineer department, and laid before the pact, is equally necessary in either process; and was enabled to do as fast as two persons could committee.

ing house should have an even floor, of stone or first; but these I soon got under, by looking after and, with the report itself, may shortly be expected brick, and the walls the same; and every part of and killing them of mornings, and by working in by the public. From this table we have made the the couch of woad, should be beaten with the fresh slacked line around those hills that had not subjoined extracts, not shovel, and trodden, to render it as compact as been attacked. The plants were kept clean by for printing the profiles. hoeing, and they grew very rapidly. The first crop was ripe by the latter end of June; I had it gather-The first crop factory, and on sheets out of doors, where it lay, and Cumberland, 186 miles, with a lockage of 578 feet, was turned, until half dry, when it was conveyed to distributed among 79 locks. It i estimated at the dye-house, and there cut with sharpened spades 8,177,081 dollars, on the principles before stated, in tubs, until it was sufficiently adhesive to work and more fully illustrated by the subjoned table. have absorbed carbonic acid gas. Therefore, Mr. Pa- into balls; these were made with the hands, and rish must have been mistaken in the theory of this ope- were laid to dry on a large floor over the steam enwere laid to dry on a large floor over the steam encarbonic acid gas is a product of fermentation; consequently, the line, instead of supplying that gas, facilieffect this. I rolled them in fine, fresh, dry slacked 1250 yards; and, thence from the western end of

back part; and here the woad should be put down would permit their being fermented with safety.

considering the quality of the land, and other im-For the use of the dyer, the balls require a fur-pediments, it worked better than I had any reason

Ger.

American farmer, who has land of the quality Such is the account which has been published of wanted, and sufficient capital to erect sheds and

The demand for woad will be improving as the manufactures increase; and those who have been using the ash vat, are changing for the woad dye, rienced, that woad which requires the most lime to Rhode Island, was none of the strongest, though it this also will increase the demand. There is none preserve a temperate degree of fermentation, and was in tolerable good condition, and I had it well made in the country at the present time, in a regu-It was ploughed twice and harrowed lar way, so that any person who will undertake to each time. The seeds were planted in hills about establish the business, and make an uniform prime three feet apart, five seeds in each hill; this was article, may calculate on its becoming an article of

internal introvement.

CHESAPEAKE AND OHIO CANAL.

(From the National Intelligencer.)

A most interesting tabe of the dimensions of the

It is one of the tables which will constitute part The wire worm destroyed a few of the plants at of the report of the Board of Internal Improvement, subjoined extracts, not being plovided with forms

The Eastern section includes ashort interval between tide water and Georgetown, not comprehend-

The Middle section, extending from Cumberland to the eastern end of the summit level, 9 miles and gine. In the early part of the drying, maggots, 240 yards; and thence, with that level, from the upfrom fly-blows, were engendered in great numbers, per lock of the eastern portion to the upper lock of effect this, I rolled them in fine, fresh, dry slacked 1230 yards; and, thence from the western end of lime, and it never failed to destroy them. When I the summit level to the mouth of Casselman's river, correct, can produce theories so absord. Unburnt limestone is a carbonate, but when burnt, and fresh slacked, it does not afford carbonic acid gas; but will down. When a hogshead was filled, I had them dollars, embracing a lockage of 1325 fect agent, enter into combination with it very greedily.

^{*} The lime is dry slacked, and is used before it can ration. The oxygen of the atmosphere combines with the colouring matter of wood while fermenting, and tates and regulates the operation, by combining with it

[†] It is truly surprising how readily persons, otherwise

allowed for the summit level of 5 miles 1280 yards, One cubic yard of brick arches for the tunembracing the tunnel of 4 miles 80 yards. The locks, in this section, are in number 246.

The Western section, beginning where the last ends, and extending 85 miles and 220 yards, with a descending lockage of 619 feet, distributed among 78 locks, is estimated at 4,170,223 dollars.

The summary, affording a distance of 341 miles and 1230 yards, with an ascent of 1903 feet and a descent of 1255 feet, distributed among 403 locks, and an estimate of 22,375,426 dollars.

In this estimate, the locks are computed at 12,000 dollars each. The dimensions of the locks are, in length, 102 feet, in width, in the clear, 14 feet, with a lift, on an average, of 8 feet each, being designed for boats 94 feet long and 131 feet broad

The breadth of the canal, at the water line, is 48 feet, at the bottom 33 feet, with a depth of 5 feet from the water line. The tow path is nine feet broad, and, added to the lateral surf-berms, slopes, guard bank of 5 feet, and parallel drains, occupy, including the eanal, a breadth of 102 feet, in level cutting.

The estimate of the tunnel is founded or three hypotheses: 1st, hard clay; 2d, slate rock and sand stone; and, last, granite and unstratified lime stone. The respective amounts being, for the 1st, 3,344,420; for the 2d, 3,278,984, being that adopted; and, for the last, 3,727,849.

The greatest elevation of the ridge, above the

water line of the tunnel, is 851 feet.

The charter of the Chesapeake and Ohio Canal contemplated an extension of the Eastern section along the Potomae, beyond Cumberland, to the mouth of Savage river, and the Table supplied by the Board of Engineers, gives, for the distance be-tween Cumberland and the mouth of Savage, 30 miles and 350 yards; for the ascent 312 feet, which the table distributes among 39 locks. The cost of this extension of the canal, having the same dimensions, and being grounded on the same principles, they compute at 1,794,963 dollars.

The profile of the tunnel exhibits a canal, sur-

rounded by a brick wall, of an elevation from the water line of 161 feet, and a descent below it of 7 feet, in the elear. The surrounding brick wall is two feet thick, with a projecting tow path from the side, of the breadth of four feet. The greatest breadth of the tunnel, in the clear, is 22 feet, the breadth of the canal, at the water line, deducting the tow path, is 18 feet. The tow path rests on a foundation of brick.

The estimates of the Board of Internal Improvement are so framed, that they can be accommodated to any given price of materials and labour, and, if reduced according to the terms of the actual contracts, referred to in the letters of Messrs. Denny and Craft, and of Mr. Stewart, would bring the cost of this great work within the sum of ten millions of dollars. Of this however, a few weeks will furnish better evidence, when the entire report of the Board of Internal Improvements will be laid before the public.

Prices of the main articles, upon which the estimate of the Board of Engineers is predicated.

eubic	yard, sand and elay, e	xeav:	ation		
and t	ransportation to 40 yd	s inel	uded	\$0	136
D_0	hard clay	do	do		17.0
\mathbf{Do}	quicksand and mud	do	do	0	20.4
\mathbf{D}_0	soft slate	do			20.4
Do	hard slate	do	do		27.6
Do	- slate rock	do	do		34.3
\mathbf{D}^{α}	do requiring blasting	r do	do	_	69.3
Do	primitive limestone	and	era-	Ŭ	00.0
	nite, requiring blas	ting	do	0	9.18
$\mathbf{D_0}$	do in a confined and	cant	ract_	v	04.0
	1		- uct-		

ed space, excavation only A square yard of putilling, 8 inches thick One cubic vard of brick wall for the tunnel, hard bricks, of superior quality

nel, hard bricks, of superior quality One cubic yard of stone masonry, the lime and stone of best quality One cubic yard of dry wall, made of large size rubble stone One cubic vard of dry wall, the stones found on the spot One cubic yard of hewn sand stone, for D_0 for blocks exceeding 9 cubic feet content Do of hewn limestone, for blocks not exceeding 9 cubic feet Do do for blocks exceeding 9 cubie feet

A square foot, cutting to the point, sand stone Do do to the chisel do Do do to the point, limestone Do do to the chisel do One cubic yard of the setting of hewn stone, with common mortar

Do of do with water cement

LADIES' DEPARTMENT.

MANAGEMENT OF FAMILIES.

(From the Introduction to Mrs. Holfand's Complete Economical Cook.)

COOKING HTENSILS.

tery ware, or weed; each of which is better suited to some particular purposes than the others. ...etallic utensils are quite unfit for many uses, and the knowledge of this is necessary to the preservation of health in general, and sometimes to the preven tion of immediate dangerous consequences.

The metals commonly used in the construction of these vessels are silver, copper, brass, tin, iron, and Of Paradise, that hast survived the fall! lead. Silver is preferable to all the others, because it cannot be dissolved by any of the substances used Or tasting long enjoy thee! too infirm, as food. Brimstone unites with silver, and forms a Or too incautious, to preserve thy sweets thin brittle erust over it, that gives it the appearance of being tarnished, which may be accidently taken with food; but this is not particularly unwholesome nor is it liable to be taken often, nor in large She smiles, appearing, as in truth she is, quantities. The discolouring of silver spoons used quantities. The discolouring of silver spoons used Heav'n-born, and destin'd to the skies again, with eggs arises from the brunstone contained in Thou art not known where Pleasure is ador'd, eggs. Nitre or saltpetre has also a slight effect upon That reeling goddess with the zoneless waist silver, but nitre and silver seldom remain long enough And wand ring eyes, still leaning on the arm together in domestic uses to require any particular Of Novelty, her fielde, frail support:

Copper and brass are both liable to be dissolved by vinegar, acid fruits, and pearl-ash. Such solutions are highly poisonous, and great caution should Forsaking thee, what shipwreck have we made be used to prevent accidents of the kind. Vessels Of honour, dignity, and fair renown! made of these metals are generally tinned, that is, Till prostitution elbows us aside lined with a thin coating of a mixed metal, contain- In all our crowded streets; and senates seem ing both tin and lead. Neither acids, nor any thing Conven'd for purposes of empire less, containing pearl-ash, should ever be suffered to re- Than to release th' adul'tress from her main above an hour in vessels of this kind, as the tinning is dissolvable by acids, and the coating is What provocation to th' indignant heart, seldom perfect over the surface of the copper or That feels for injur'd love! but I disdain brass.

The utensils made of what is called block tin are Cruel, abandon'd, glorying in her shamel constructed of iron plates coated with tin. This is No:-let her pass, and, chariotted along equally to be dissolved as the tinning of copper or In guilty splendour, shake the public ways; brass vessels, but iron is not an unwholesome sub The frequency of crimes has wash'd them white, stance, if even a portion of it should be dissolved and And verse of mine shall never brand the wretch, mixed in the food. Iron is therefore one of the safest Whom matrons now of character unsmirch'd, 1 00 0 metals for the construction of culinary utensils; and And chaste themselves, are not asham'd to own. 0 12 4 the objection to its more extensive use only rests Virtue and vice had bound ries in old time, upon its liability to rust, so that it requires more Not to be pass'd: and she, that had renounc'd 8 36.2 cleaning and soon decays. Some articles of food, Her sex's honour, was renounc'd herself

such as quinces, orange pecl, artichokes, &c. are 10 38.2 blackened by remaining in iron vessels, which therefore must not be used for them.

5 85.8 Leaden vessels are very unwholesome, and should never be used for milk and cream, if it be ever like-4 02.3 ly to stand till it became sour. They are unsafe also for the purpose of keeping salted meats.

The best kind of pottery ware is oriental china. because the glazing is a perfect glass, which cannot blocks not exceeding 9 cubic feet content 13 500 be dissolved, and the whole substance is so compact that liquid eannot penetrate it. Many of the English pottery wares are badly glazed, and as the glaz-21 94.0 ing is made principally of lead, it is necessary to avoid putting vinegar, and other acids into them. 16 S7.5 Acids and greasy substances penetrate into unglazed wares, excepting the strong stone ware; or into those of which the glazing is cracked, and hence give a bad flavour to any thing they are used for af-0 08.0 terwards. They are quite unfit therefore for keep-0 12.0 ing pickles or salted meats. Glass vessels are infinitely preferable to any pottery ware but oriental 0 18.2 china, and should be used whenever the occasion 0 26.4 admits of it.

Wooden vessels are very proper for the keeping 5 29.0 many articles of food, and should always be pre-7 96.0 ferred to those lined with lead. If any substance has fermented or become putrid in a wooden cask or tub, it is sure to taint the vessel so as to make it liable to produce a similar effect upon any thing that may be put in it in future. It is useful to char the insides of these wooden vessels before they are used, by burning wood shavings in them, so as to coat the insides with a crust of charcoal

As whatever contaminates food in any way must be sure, from the repetition of its baneful effects, to The various utensils used for the preparation and injure the health, a due precaution with respect to keeping of food are made either of metal, glass, pot- all culinary vessels is necessary for its more certain preservation.

(To be continued.)

ADDRESS TO DOMESTIC HAPPINESS. By COWPER.

Domestic Happiness, thou only bliss Though few now taste thec unimpair'd and pure, Unmix'd with drops of bitter, which neglect Or temper sheds into thy crystal cup; Thou art the nurse of Virtue, in thine arms For thou art meek and constant, hating change, And finding in the calm of truth-tried love Joys, that her stormy raptures never yield. Than to release th' adul'tress from her bond. Th' adul tress! what a theme for angry verse! The nauseous task, to paint her as she is,

By all that priz'd it; not for prud'ry's sake, But dignity's, resentful of the wrong. Twas hard perhaps on here and there a waif, Desirous to return, and not receiv'd: But was a wholesome rigour in the main, And taught th' unblemish'd to preserve with care That purity, whose loss was loss of all. Men too were nice in honour in those days, And judg'd offenders well. Then be that sharp'd And pocketed a prize by fraud obtain'd, Was mark'd and shunn'd as odious. He that sold His country, or was slack when she requir'd His ev'ry nerve in action and at stretch. Paid with the blood, that he had basely spar'd, The price of his default. But now—yes, now We are become so candid and so fair, So lib'ral in construction, and so rich In Christian charity, (good-natur'd age!) That they are safe, sinners of either sex, [bred. Transgress what laws they may. Well-dress'd, well-Well-equipag'd, is ticket good enough, To pass us readily through ev'ry door. Hypocrisy, detest her as we may, (And no man's hatred ever wrong'd her yet,) May claim this merit still—that she admits The worth of what she mimics with such care, And thus gives virtue indirect applause; But she has burnt her mask not needed here, Where vice has such allowance, that her shifts And specious semblances have lost their use.

TO YOUNG WIVES.

[When number 22 was published, the Editor and the Printer of the Farmer were absent, and a piece headed "ELEGANT EXTRACT," page 182, was so in-corrrectly printed from a not very legible manuscript, that we deem it proper, from the work itself, which was then fast locked in our library, to copy in this number the passage referred to, preceded by a few more lines from the same poem.]

"L'homme ne sait aimer qu'autant qu'on sait lui Etudiez son earactère: [plaire: Ménagez-lui le prix de la moindre faveur; A l'orgueil, à l'humeur, opposez le sourire, L'innocence au soupçon, le calme à la fureur; Régnez en suppliant, et fondez votre empire Sur l'amour et sur la douceur.

Un jour, Cypris, vous serez mère: N'abandonnez jamais le fruit de vos amours Aux mains d'une mère étrangère. Nourrissez votre fils; remplissez vos beaux jours

Des soins intéressants de ce saint ministère. Ces jours pour le plaisir ne seront point perdus. La nature, aux bons cœurs, donne pour récompense Des devoirs les plus assidus

Les plus donces des jouissances. Vous les mériterez: de votre nourrisson Une autre n'aura pas la première caresse: Vous jouirez avec ivresse Des prémices de sa tendresse Et des éclairs de sa raison. Souvent, tandis que de sa mère Ses levres presseront le sein, En admirant son minois enfautin, Vous croirez demêler quelques traits de son père. Alors vous sentirez palpiter votre eœur Du plaisir de trouver l'auteur dans son ouvrage, Et de l'espoir de voir croître sous votre ombrage

MISCELLANEOUS.

Le fruit dont vous aurez alimenté la fleur."

TO EMIGRANTS AND FARMERS.

Advantages of Maryland as a place of settlement.

While the whole tide of emigration to our country from abroad, flows towards the new states in the west, and our own Atlantic brethren follow the stream, the facts which are about to be named seem to be forgotten or overlooked. The western lands

be cleared and fenced, houses are to be built, mar- ty days, and costs two dollars and fifty per hundred. kets to be created, society to be formed, and every Difference one half in expense—or, a saving in the thing TO BE DONE, before comfort can reward exces- transportation of five tons of merchandise from the sive labour.

than it is in the vicinities of any good settlements in ed in two thirds of the time from New York that the west. Good land may be bought in abundance they are from Philadelphia. Allowing our merwithin 20 miles of Baltimore, in any direction, at \$4 to 4.50 per acre. There are good roads and milling five tons at a time, it will be a saving of five seats in all directions in the same district of counhundred dollars each, per year. When our canal try. There are manufactories of various sorts, who shall have been completed to the Lake, the expense want a denser population, as weavers and mechan- will be somewhat less. ics, and live-stock, and vegetables, and fruit, and cider, are wanted at Baltimore and Washington city. Slave labour has become unprofitable, and is scarcely practised within this limited district. The writer knows of many farms which, with houses and barns, fences, &c. and delicious springs of the purest water, can be purchased at the price of the land, i e. at \$4.50 per acre.

Lands thus situated, with an outlet to the Chesapeake bay, to Baltimore, or to the seat of the general government, in the midst of a settled country, at the centre of the union, in the (by adaptation) natural soil of the vine, the tobacco plant, the peach, and leave a surplus for tools and stock.

state is also rich in United States' and other stocks, and the income arising therefrom, almost pays the thought proper to give the account sales of several. expenses of state government; so that the taxes are less than in any state in the union.

It is commonly said that the soil is poor and exhausted. This is not true. The soil is capable of producing all that any soil in this country can produce by judicious cultivation. The soil in many places has been abused, but can be and is daily restored to its former goodness by the influence of increasing knowledge in agriculture.

It is well known that by the operation of natural causes, such as the reduced prices of produce, and out of the state. VIRGINIA IS STILL HERSELF. the increased white pupulation here, that slave labour is unprofitable, and is going out of use. It is only in Prince Georges' county, and in some districts on the Eastern Shore, where the soil is so good, and the management so able, as to outweigh the real extravagance of slave labour, that it yet re-mains in much use. This soon will correct itself, and slave labour is now unprofitable, i. e. dearer than any other sort of labour which can be applied to lands in Maryland; and wherever white labour competes with it, it unders ils it, and drives it out in all temperate climates. Thus if the man who possesses 50 negroes, sells them, and invests the proceeds in U. States' six per cents, and cultivates only what land 5 hired white men can tend, his dividends and the results of this hired labour will outweigh the results of the labour of the negroes, after deducting their support. The truth of this statement is made clear Wil by the disuse of slave labour, not only here, but in Virginia also, to a considerable extent.

The right of suffrage is universal in Maryland; the roads are among the best made ones in the country, and are the great avenues to all parts of the union. There are towns, churches, mild laws, free schools, toleration for all sorts of religions and got by Wildair out of the imported Cub mare. May politics, no religious tax, the climate of the south of our Flirtilla be from the stock of this mare? France, proximity to two great cities, cheaper lands, and better apparent profits to industry than appear to us to offer themselves to industrious farmers and cmi grants, in any other quarter of our wide spread land.

TRANSPORTATION.

It takes thirty days to transport goods from Phi- [It gives us pleasure to record the addition which

bought at the government prices. But they are to hundred. From New York city to this place twencity of New York, of the sum of two hundred and Land is now cheaper in the state of Maryland fifty dollars; in addition to which they are conveychants to bring on goods twice a year, and averag-[Ohio State Journal.

SPORTING OLIO.



SALE OF BLOOD HORSES.

The sale of horses belonging to the estate of the late THEO. FIELD, Esq., for some time past adverapple, wheat and Indian corn, are to be bought every day for cash, in lots to suit purchasers; and \$500 correct judgment and skill of the deceased in sein ready money will settle a family on a farm with lecting and rearing the best stock, together with all needful buildings, containing 80 to 100 acres, the high reputation acquired by some of them as racers, attracted hither from a distance, a number There are free schools all over the state. The of the gentlemen of the turf. In order to shew how highly these horses were appreciated, we have

Gohanna, a fine blood bay horse, upwards of 16 hands high, \$3500-Phillis, full sister to Gohanna, \$1654-Merino Ewe, sixteen years old, now in foal by Archie, the dam of Gohanna and Phillis, \$1205 a Bay Filly, twelve months old, \$357-a Sorrel Filly, four months old, \$500, also the offspring of Merino Ewe—Cabypso, Archie mare, \$265—Lady Botts, grey mare, \$150. Producing the handsome total of \$7959—and averaging \$994.87½ cents each. We understand that none of the purchasers reside

[Petersburg Intelligencer.

CUB MARE.

J. S. SKINNER, Esq. September 4, 1826.

Sir,—A little before, or after the year 1790, a bay mare, brought from New York or New Jersey, said to have been got by Doctor Hamilton's imported horse Figure, appeared upon the Maryland turf, and ran with great success. She was somehow under the direction of Gabriel Christie, Esq., of Havre-de-Grace, and others; was a light bay, with more of the brown than yellow in her colour, with mealy legs, but had not, I think, any white marks; she had great length, and fine form, but could not have measured more than fourteen hands; and she was known and distinguished by the name of The Cub

What became of this mare I never heard; but I do know, that very soon after her appearance, the same northern sportsman became possessed of Col. Good's celebrated horse Flag of Truce, the sire of Leviathan. The Cub mare ran as aged, but how old she was I cannot say. Her dam may have been

Old Figure ran well in England and Scotland, and beat Mr. Galloway's Selim in Maryland. The last time I saw him was in Philadelphia, in the year 1774, but do not know when or where he died. These hints will stand for what they are worth. F.

are strong and good, are very cheap, and may be ladelphia to this place, and costs five dollars per has been made to the existing stock of these faith-

male, of genuine bull-terriers, of the most famous stock in England—as appears by the fullowing extract of a letter to the gentleman to whom they were sent:]

"I have succeeded in procuring, and now send you in the Belvidera, a prime dog and bitch of the genuine Terrier and Bull Dog breed.

-, a member of "The dog was bred by -Parliament for Newton, and was got by the celebrated dog Billy, who won a wager of 100l, by killing rats in London. The bitch by one of the dogs that baited the lion at Warwick; and both out of celebrated fox terriers. The dog is fifteen and the slut twelve months old."

[We rode out to see these dogs soon after their arrival, and expect to present to the readers of the Sporting Olio, an engraving of the son of the renowned BILLY, whose feats are well known to the readers of the English Annals of Sporting. The following, amongst others, will give the reader an idea of one of the spectacles which are gotten up for the amusement of the sober people of England, and a specimen of the slang phrases used in the description of them:]-

"Rat murder, by authority.—One hundred lives lost in twelve minutes, at the Westminster Cockpit, Tufton-street, on Tnesday, Sept. 3, when the phenomenon dog, Billy, the property of Mr. Dew, wilt exhibit his wonderful, peculiar, and almost incredi-

ble, method of rat-killing, for a stake of twenty sovereigns. "Such were the terms of the invitation to see

this performance, which attracted a full attendance of the most distinguished characters among the fancy, from all parts; nearly two thousand persons, at a bob a nob, having crowded the pit at an early hour, including the high toby gloaks, swells, and tulips of the first order, many bringing their own well mixed and rubbed completely over the animal tykes to view the slaughter, and to profit by the twice a day, giving a tea spoonful of the flowers of and Johns outside 'went a trifle' upon the event, your dogs will become disordered. taking the cue from their employers, each considerlaid on the match.

"Billy, seconded by his owner, and the rats, by go singly with room to get away, and laid our blunt drowned the remonstrances and maledictions of the attempt to lick, but will not take a second taste. losers. Billy having been regaled with drops of eye-water, and decorated with ribbons, reappeared, and the lot (pros and cons,) repaired to the Houp and Grapes, to grub a bit of the hollow, and some of the substantial, washing their masticores with drops of the jnice, and miscryium of sweets and sour, strong and weak,—punch to wit. Upon this occasion, Master Dew showed particularly jolly, chaffed fifty as the price of his Billy, and, if we understood him rightly, he proposed to fight any dog of his no weight, for fifty sovereigns—a sum too mighty for those coves who own the best dogs."

[The use of the terrier is well known to be that of a guard to the house, especially in the country, fidence: To a dog eight months old, give 4 grains wring it as dry as possible, the harder without inagainst destructive vermin—such as rats, weazles, of Turbeth's mineral, and keep him from water 24 juring it, the better. Having given it this first liminks, &c. Terriers are distinguished as rough hours; then give him 4 grains of crocus metallo-quor, you may put in some old cottons or woollens, and smooth, and vary considerably in size. In Eng. rum, and turn him out.

ful and useful animals, by the importation, in the land, of late years particularly, terriers have been Belvidera, to this port, of a couple, male and fecrossed with the bull-dog, to increase their ficrceness and power in fighting.

The dog imported in the Belvidera is of the race of smooth terriers, deriving a touch of the bull-dog

blood from Billy, his sire.

We contemplate procuring engravings to be published, with a sketch of the natural history and uses of the various races of dogs, most of which are now to be had in this country in a high state of cultivation.

> "Alas! and so my friends dropt off Like rose leaves from the stem; My fallen state but met their scoff, And I no more saw them!

One friend, one honest friend remain'd When all the locusts flew; One that ne'er shrunk, nor friendship feign'd-My fuithful Dog, 'twas you.'']

DISEASES OF DOGS.

THE COMMON MANGE.

This disorder is very infectious, and originally proceeds from dirty beds, bad food, and filth in general. It has a loathsome, scabby, dirty appearand, like that disease, contains animalcula in each of the pustules. It may be cured with the following:

Sulphur vivum, Train oil; of each an equal quantity,

with which the dog should be well rubbed several times, a day or two clapsing between each rubbing. Sulphur, given internally, will be of service.

Another:-

Flowers of sulphur, half an ounce, Hogs' lard or butter, one ounce;

example of Billy. A score of carriages, coaches, sulphur every evening in a little molasses. Keep curricles, gigs, chaises, besides carts, buggies, drags, the animal confined alone, and the moment the and things without number, enlivened the purlieus, cure is effected, give him a clean bed. As the and gave a smack to the sports; even the Jarvics disease is very infectious, without great care, all

Mercurial ointment rubbed on the parts affected ing his own master as the most knowing of the lot will remove this disease; but it is rather a dangewithin. Altogether, many hundreds of pounds were rous remedy, and will kill a weak animal, if not

carefully administered: muzzle the dog.

An infusion of fox-glave leaves, I have reason to Cheetham, now entered the area of the pit, (12 feet believe, will answer the purpose: it is the cleanest square,) and we expected to have seen the rats let remedy; and though I have not had sufficient experience to pronounce its infallibility, I have no hesiaccordingly; but they were put in all at once, and tation in recommending it. Put a handful of fox-Billy had easy work of it, despatching the entire glove leaves into a quart or three-pint jug, pour may be smooth; dry in the air, and glaze it Should hundred in seven minutes and forty seconds, a grip boiling water upon them; and, when cold, rub the the colour fade in the washing, (that is, the red and a piece sufficing to despatch the varments. Loud dog every day for three or four days. The dog huzzas from the winners crowned the feat, and need not be muzzled-as soon as dressed he will or two of oil of vitriol in cold water after rinsing;

The following I have seen successfully used:

Sulphur, two ounces, Mercurial ointment, two drams; Hogs' lard, four ouoces;

well mixed; with which rub the dog every other day. Three or four dressings will generally be sefficient. Two drams of aloes, mixed up with the above, will not injure the composition, and will probably prevent the animal licking himself-otherwise, muzzle him.

FOR DISTEMPER IN DOGS.

RECIPES.

TO CLEAN ORANGE COLOUR ON SILK, COTTON, AND WOOLLEN.

If it is a silk garment, it must be cleaned with a solution of soap, no matter what sort, and in the second liquor pearl-ash must be used to stay the colour. The water must be used much under a hand heat for silks. If requiring more to scarlet, or redder, then the pearl-ash must be omitted, and a little vinegar used in the rinsing water. See the mode of cleaning of coloured woollens in the following pages, recollecting that acids heighten the red colour, and alkalies make it more upon the buff.

OF CLEANING BLACK SILK.

If this is a slip, unpick the seams; take one piece at a time and put it on a table, then take a pennyworth of bullock's gall, and boiling water sufficient to make it pretty warm, dip a clean sponge in the gall liquor, and, washing your sponge in a pan of warm water, after dipping it into the liquor, rub the silk well on both sides, squeeze it well out, and proceed as before. Then hang up this piece of silk, and clean the others in the like manner. When the whole are done, immerse them altogether in a pan ance, somewhat similar to the itch in human beings; of spring water, to wash off the dirt which the gall has brought upon the surface of the silk; change your rinsing waters till they are perfectly clean, and, after washing, dry your silks in the air, and pin them out on a table, &c. first dipping a sponge in gluewater, and rubbing it on the wrong side of the silk. Dry it near the fire, and it will be as new.

> A METHOD OF CLEANING CHINTZ BED AND WINDOW FURNITURE, SO AS TO PRESERVE THE GLOSS AND BEAUTY.

This will generally answer where the cloth is not in a very dirty state:- Take two pounds of rice, boil it in two gallons of water till soft; put the whole into a tub; and when your liquor is at a hand heat, put in your chintz, and use the rice as you would soap. Then take the same quantity of rice and water, but when boiled, strain the rice from the water. Wash the chintz in this till it is quite clean: afterwards rinsc it in the water in which the rice was boiled, smooth it out with the hands, and hang it up to dry: then rub it with a sleeking stone, or glaze it, and it is finished.

The method practised by dyers, is as follows:

Clean the chintz by washing it, or rather beating it with the doll in a tub of warm soap lather, at a hand heat; and, at last, either take flour of starch. and make it of the consistence of oil; the article is then beaten up in this; let it be opened well, that it green,) it will be necessary to give the goods a drop this stays the colours.

FOR SCOURING THICK COTTON; AS COUNTERPANES, QUILTS. &C.

Cut a pound of mottled soap into thin slices; put it into a pan with a quarter of an ounce of potash, and one ounce of pearl-ash; then pour a pail of boiling water on it: let it stand till it is quite dissolved; then pour hot and cold water into your scouring tub, with a bowl of your solution of soap Put in your counterpane, and beat it well out with a doll. often turning the counterpane over in the tub. When this is done, wring it across a gallows or a hook, which is done by turning the two opposite FOR DISTEMPER IN DOGS.

The following has been recommended with constick between them. By this method you may that the liquor may not be thrown away, and then

then pour a sufficient quantity of boiling water into ryland Agricultural Society, accompanied with this your tub, with a small quantity of the solution of offering by a distinguished foreigner, whose private soap, so that you will reduce it to a very thin lather. virtues and intelligence correspond with his publication Put three tea spoonfuls of liquid blue into the tub, spirit. whence your goods were taken, and the acid of the liquid blue and the alkali of the pearl-ash and the but was relieved by the assidnous attentions of your soap ley will cause a slight fermentation or effer judicious Agent.* and will, I trust, arrive safely to vescence: stir this thin blue liquor with a stick, and his native pastures. put in your counterpane: beat it out with the doll about five minutes, which will colour the counter- manufacturer at Northampton, published in No. 10 pane of a fine azure blue, of the lightest shade; but vol. 8, of the American Farmer, with the impartia as it dries in the wind, the blue mostly goes off, and report of a most judicious Committee, go to shew leaves a brilliant white

brown and bad, it is necessary, instead of the last of these three liquors being poured into the tub, that it should be thrown into the copper, and the cottons put in and boiled an hour. When taken To W. R. Dickinson, Esq. oul, return them into the tub with some cold water, and add the before mentioned quantity of chemic My DEAN Sin, blue; and dry the articles in the air.

Tucker's Family Dyer and Scourer.

THE RESIDENCE WAS A RECEIVED BY THE PARK OF THE PARK O

BALTIMORE, FRIDAY, SEPTEMBER 15, 1826.

STHE PRIZE RAM .- Our readers will remem ber, that at the last Maryland Cattle Show a spirit- greatest weight of picklock wool." ed contest arose for the silver cup, which had been offered by the liberality of Mr. Rebello, Minister from Brazil, to the owner of the ram, which, being shore tion previously excited; and that I was justly proud upon the ground, should yield the greatest weight of of a flock which, for the last fourteen years, I had picklock wool.

to W. R. Dickinson, Esq., of Steubenville, Ohio, cation, which such a victory (over Saxon sheep of although it was observed by the committee; that on Mr. Patterson's imported Saxony sheep, wool was to be found a shade finer: but the cup was judiciously offered for the animal which should bear upon his body the greatest quantity of the finest kind of wool; and it was, as Mr. Dickinson informs kind of wool; and it was, as Mr. Dickinson informs of earlier with an even expectable directly to the deeper of shirily will be lower removaled to the committee of shirily will be lower removaled to the committee. us, with an eye precisely directed to the terms of spirit will be long remembered in our country,) as a the offer, that he selected from his flock of native trophy of inestimable value; ranking its achieve growth, originally from imported stock-not, the ment among the most pleasing incidents of my life animal bearing the finest wool, but one which he was willing to show against the Union as carrying

the greatest weight of picklock wool.

In the "Western Herald" we find the following letter from the Corresponding Secretary of the Maryland Agricultural Society, acquainting Mr. Dickinson with his success-to which we can now add

in the Editor's absence.

procession on the anniversary of our Independence on Thursday, the 28th of this month. he bore a conspicuous part, and displayed his honours gracefully-amid rattling drums and roaring cannon.

Baltimore, May 1826. MY DEAR SIR.

ed the great zeal of one whose judgment was al-ed-Report of the Central Committee on the Chesaready widely and well known.

give your counterpane a second liquor as before, allyet much more gratifying to have seen you receive Wring it out again an l rinse in clean cold water; in person, the assurance of the respects of the Ma-

Your premium sheep was quite sick this morning

The letter of Mr. Shepherd, the eminent wooller that whilst we can have easy access to such flocks N. B. In some cases where the cottons are very as yours, there is no further occasion to import fine woolled sheep from any quarter.

Yours, truly,

J. S. SKINNER.

Steubenville, July 31, 1826.

I have been several weeks from home, and otherwise so much engaged, that I could not before acknowledge the receipt of your letter, announcing in such very flattering terms, the fact, that the Committee, at your late Cattle Show, had awarded to me the silver cup, placed by Jose Sylvester Rebello. Minister from Rio Janeiro, at the disposal of the Maryland Agricultural Society, and most judiciously offered by that enlightened Society "for the ram which, being shorn upon the ground, yielded the

Considering the high (yet fair,) and fearful competition, as to its character; the degree of emulabeen zealously rearing and improving-you can The prize was awarded, after close investigation, more readily imagine than I can express the grafif-

I am, most truly, yours.

W. R. DICKINSON.

J. S. SKINNER, Esq.

MARYLAND AGRICULTURAL SOCIETY.

\$5-The place for the next meeting of the Trus his answer, which came to hand some time since, tees of the Maryland Agricultural Society has been changed, by consent, and said meeting will be held This fine ram was taken back to Ohio, where, in at Brookland Wood, the residence of R. Caton, Esq

> * Alluding to Mr. Thomas Johnston, of Steubenville who has the care of the ram

CONTENTS OF THIS NUMBER.

Your fine ram arrived in time, and constituted an interesting feature of our exhibition, not only for his intrinsic merit, but as his appearance established the great zent of one whose interment was also and Making Wood for the Blue Vat, concluded. eake and Ohio Canal-Management of Families, Cook-I have only time to say just now, that he has ing Utensils-Poetry, Address to Domestie Happiness, taken the premium offered by Jose Sylvester Rebelle. Minister from Rio Janeiro, "for the ram land as a place of Settlement for Emigrants and Farwhich being shorn upon the ground should yield the greatest weight of picklock wool;" although he had to contend with Saxon sheep of rerent importation, selected with great care. I had the satisfaction, selected with great care. I had the satisfaction, selected with great care. I had the satisfaction of the content with saxon sheep of recent importation, selected with great care. I had the satisfaction of the content with saxon sheep of recent importation, selected with great care. I had the satisfaction of the content with saxon sheep of recent importation. Sale of Theo. Field's Blooded thorses—Cub Mare—Importation of fine Dogs—Diseases—Cub Mare—Importation of tion in your absence to represent you in the receptor to not the premium, though it would have been to us W. R. Dickinson, relating to his Prize Ram.

PRICES CURRENT.

-	TAKOES O		20 TI	71	2.		
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S	ARTICLES.	per.	fro		to	. ,	
e	SHOW IN LOCAL COMMENTS		110	-	_10	from	to
	BECF, Baltimore Prime,	bbl.	S				
	BACON, and Hams,	lb.		5		9	12
,	BEES-WAX, Am. yellow		:	30	3		50
	COFFEE, Java,	_	14	6 ţ	1'	7 20	20
3"	Havana			15	16.		20
0	COTTON, Louisiana, &c.	_		11	13		
	Central Unland			10	1:		
n	Georgia Upland,	-			1.	1	
	COTTON YARN, No. 10.	_		30		1	
,	An advance of 1 cent						
1	each number to No. 18.	-					
,	CANDLES, Mould,	!	12	21	14	16	18
	Dipt,	_		ıî		1	14
S				3.3	10	12	15
е	CHEESE,				- (10
	FEATHERS, Live,			30		37	
	FISH, Herrings, Sus.	bbl.				1 /	
	Shad, trimmed,	_	5 5		6 00		
	FLANSEED, Rough,	bush	7	75	80		
	FLOUR, Superfine, city,	bbl.	4 5	50		5 25	6 00
	Fine,]	4.2	25			• • • •
	Susquehanna, superfi.			00			
3	CHNDANDAD D. 14	oz Ih				5 50	
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	Wheat, Family Flour,	_	8	35	9.5	5	
	do. Lawler, & Red, new	_	. 7	15	80		
0	do. Red, Susque			30	SS	i i	
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e	Ryc,	-		- 1		1 1	
٧	Barley,	-		30	1 00		
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,	Ruta Baga Seed,	lb.	1				
c	Orehard Grass Seed,	bush	2 (00		2 50	scarce
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ı	Timothy Seed,	{		00		3 50	
-1				31	38		
-	Oats,			0	3.	1 87	
1	Beans, White,			10		1 91	
	HEMP, Russia, clean, .	ton	215	- }			
1	Do. Country	-	120	- [130		
1	HOPS, 1st sort,	lb.	1	12		25	
-	HOGS' LARD,	_		7	16	12	
f	LEAD Pig	lb.		7			
	LEAD, Pig	10.				2	
H	Bar	_		71/2			
	LEATHER, Soal, best,	_		22	20		
e	MOLASSES, sugar-house	gal.		46	50		75
t	Havana, 1st qual	_	6	30	33		
	NAILS, 6a20d	lb.	(64;		9	
S	NAVAL STORES, Tar,	bbl.	1 4	50	1 62		
K	Pitch,	_	2				
a	Turpentine, Soft,			75		1	
-		mal		27		40	
	OIL, Whale, common, .	gal.		70	PT D		
).	Spermaceti, winter .			- 1	75		
	PORK Baltimore Mess,	bbl		00	11 50	,	
	do Prime,	_		50		1	
	PLASTER, cargo price,	ton.		00			
	ground,	bbl.		50		1	
	DICID C 1	lb.		23	9	5	
				12	14	. 10	00
	SOAF, Baltimore White,	lh.					20
	Brown and yellow,			5 1 2	71	4	12
	WHISKEY, 1st proof, .	gal.		32	35	1	50
n	PEACH BRANDY, 4th pr	_		75	1 00		
d	APP' E BRANDY, 1st pr			33/		50	
1.		c.lb.	12 8	0	13 50	14	15
ŀ	do. Brown,	_		50	9 25		
				75		10	11
-	Louisiana,	lb.		19	23		
,	Loaf,	1			2.3	1 00	22
1	SPICES, Cloves,			70	3.0		
	Ginger, Ground,			7	12		18
-	Pepper,		16			25	
١	SALT, St. Ubes,	bush	4	13		75	
	Liverpool ground	_	4	16	47		
,	SHOT, Balt. all sizes, .	elb.		00		10	
t	WINES, Madeira, L. P.	gal.		50	3 00	L	1
		8 al.		10	1 15	1 1	9.00
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-	Claret,	doz.			8	5 00	8 00
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SKINNER, Editor, by John D. Toy, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

ART OF BREEDING.

Mr. Powel's queries answered by Mr. John Barney, of Delaware, on BREEDING CLOSELY IN-ON MIX ING DISTINCT RACES-On the combination of se-VERAL VARIETIES IN ONE BREED.

Do you ever put brother and sister together, in breeding Sheep, except for particular purposes? Answer. If I could conveniently avoid it, I would

NEVER DO IT.

Did you buy of Farmer part of your flock?

14 years ago.

Did you buy of Case, another part?

Answer I did, about 13 years ago, a few of his ewes and lambs.

Did you buy of Exton, another part?

Answer. 1 did, 5 ewes in the same season. Did you not buy some of James & Hickman's

*IRISH SHEEP?

Answer. I did, a few ewes about 15 years since. Have not all these portions of your flocks BEEN MIXED?

Answer. YES.

where animals of the same race cannot be had?

BREED?

Answer. YES.

To the foregoing questions submitted by Mr. Powel, I have given the above answers.

JOHN BARNEY.

Philadelphia, Sept. 13, 1826.

Quere. How long may be not breed from such a flock without breeding closely in and in.

MR. CHURCHMAN,

swers given by Mr. Barney to my inquiries upon The instances of this are numerous. The celebrat-practice is followed by the most skilful breeders at

Answer. My experience does confirm them. C. CHURCHMAN.

September 13, 1826.

Breeder of Sheep, and successful in his practice in tried the system with pigs, brought them at last to render such a plan successful, as is very rarely the management of a flock containing a thousand into such a state, that the females gave over breed to be met with. Indeed, though such crosses may, ewes. See his communication, Memoirs Pennsyl- ing almost entirely, and when they did breed, their by great attention, answer at first, yet it is generalvania Agricultural Society, page 102.

(Sinclair's Code of Agriculture, page 104.)

"On the Principles of Improved Breeding.

"The art of breeding consists, in making a careful selection of males and females, for the purpose of producing a stock, with fewer defects, and with greater properties than their parents; by which since it perpetuates the merit of breeders, and the com-their mutual perfections shall be preserved, and petition of stock. their mutual faults corrected.†

*This breed of Sheep were imported by Jeffrys.

Mem. Pennsyl. Agrie. Soc'y. page 107.

† Sir John S. Sebright's Essay on the Art of Improving the Breed of Domestic Animals, p. 5 and S. All breedthe Breed of Domestic Animals, p. 5 and S. All Dreeding proceeds on the presumption, that the tendency of any individual animal is, to transmit to its offspring, the form, constitution, and qualities which it possesses; and as two animals are concerned in the production of one offspring, that one is expected to inherit, a form and constitution, compounded on the joint qualities of its two parents. Thus it is found, in numerous breeds of animals, as in deer, in the West Highland cattle, in the North Devon, and in the wild cattle of Chillingham description. Significantly of Scotland, vol. ii. Appendix, p. 109.

† Husbandry of Scotland, vol. ii. Appendix, p. 109.

† Husbandry of Scotland, vol. ii. Appendix, p. 109.

† Husbandry of Scotland, vol. ii. Appendix, p. 109.

† Husbandry of Scotland, vol. ii. Appendix, p. 109.

The same rule holds good regarding the human species.

Sir Jolin S. Sebright's Essay, p. 13. Paper by Hen
Paper by T. A. Knight, Esq., Comm. to the Board of Mariculture, vol. ii. p. 185.

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Husbandry of Scotland, vol. ii. Appendix p. 109.

Husbandry of Scotland, vol. ii. Appendix p. 109.

Husbandry of Scotland, vol. ii. P. 109.

Husbandry of Scotland, vol. iii. P. 109 North Devon, and in the wild cattle of Chillingham Agriculture, vol. ii. p. 185.

Park: the offspring, for an indefinite number of genera
** Sir John S. Sebright's Essay, p. 13.

"The objects of improved breeding, therefore, as soon as they were born. Nay, Mr. Knight's exmay be relied on.*

est individuals, from all the best kinds of long or those who have the same, or a similar breed. It Answer, I did, one of his Bakewell rams, about combing woulled sheep, wherever they were to be bas been remarked, that those farmers have in years ago. may be improved in the same manner, namely, that duced on their own farms, and that an interchange of putting the best males to the finest females. of males, is mutually beneficial.‡

After a superior breed, however, has thus been ob
"With respect to the doctrine, that when you can tained, it is a point that has been much disputed, no longer find better males than your own, then by whether it is proper to raise stock, 1 From the all means breed from them, for that best can only same family; or, 2. From the same race, but of difbeget best; it is ably refuted by an intelligent au-

is called breeding in and in, or putting animals of an animal without some defect in constitution, in the nearest relationship together. Though this plan form, or in some other essential quality; and such was for some time in fashion, under the sanction of defect, however small it may be at first, will in-Do you approve of MIXING DISTINCT RACES, except Bakewell's authority, yet experience has now prov- crease in every succeeding generation, and at last here animals of the same race cannot be had?

Answer. No.

Cannot several varieties be combined in one in fixing any variety that may be thought valuable,

in fixing any variety that may be thought valuable,

cannot several varieties be combined in one in fixing any variety that may be thought valuable,

in fixing any variety that may be thought valuable,

cannot several varieties be combined in one in fixing any variety that may be thought valuable,

cannot be successfully persevered in. It predominate in such a degree, as to render the may prove beneficial indeed, if not carried too far, breed of very little value.

Sometimes the render that the predominate in such a degree, as to render the may prove beneficial indeed, if not carried too far, breed of very little value.

Sometimes the render that the predominate in such a degree, as to render the may prove beneficial indeed, if not carried too far, breed of very little value. but on the whole, it is so only in appearance. Un-petuate that defect, which might be eradicated, by der this system, the young animal comes into the a judicious selection, from a different family, in the world, on, comparatively, a very small seale. By same race. keeping it fat from the first moment of its existence, it is made to attain a greater size than nature insame race, is therefore a preferable system. When tended; and its weight in consequence will be very these have been for some time established in dif-great in proportion to the size of its bones. Thus ferent situations, and have had some slight shades If a man select his flock from four folds, and allow a generation or two of animals of an extraordinary of difference impressed upon them, by the influence not brother and sister to be joined, except where it cannot be conveniently avoided—

a generation or two of animals of an extraordinary of difference impressed upon them, by the influence of difference impressed upon them. eligible, if long persisted in || On the contrary, if the purpose of strengthening the excellencies and the system be followed up, the stock get tender and remedying the defects of each family. On this delicate, they become bad feeders; and though they principle, the celebrated Culley Continued, for many retain their shape and beauty, they will decrease in years, to hire his rams from Bakewell, at the very Dear Sir.—Does your large experience in the vigour and activity, will become lean and dwarfish, time, that other breeders were paying him a liberal management of sheep and cattle, confirm the an- and ultimately incapable of continuing the race. price for the use of his own; and the very same ed breeder, Prinsep, found, that decrease of size present. unavoidable, in spite of all his endeavours, by keeping his young stock well, to prevent it. I Sir John distinct breeds or races, one of which possesses the S. Sebright tried many experiments by breeding in-properties which it is wished to obtain, or is free Mr. Churchman is an extensive Grazier and breeds uniformly degenerate ** A gentleman who requires a degree of judgment and perseverance, produce was so small and delicate, that they died by found, that great singularities attend such mix-

are, to obviate defects, and to acquire and to per-periments with plants have fully convinced him, petuate desirable properties; hence, when a race of that in the vegetable, as well as in the animal kinganimals have possessed, in a great degree, through dum, the offspring of a male and female, not related. several generations, the properties which it is our will possess more strength and vigour, than where object to obtain, and any tendency to produce un-they are both of the same family " This proves wished for properties, has been extirpated, their how unprofiable such connections are. That is no progeny are said to be well-bred, and their stock reason, however, why a breeder may not manage a particular family of animals to great advantage. "It was upon this principle of selection, that Bake-well formed his celebrated stock of sheep, having spared no pains or expense, in obtaining the choic-of procuring males, from the flocks and herds of

ferent families: or, 3. From races entirely different. thor, who has devoted much attention to the art of "1 Breeding from the same family.—This method breeding. He observes, that there never did exist

"3. Any attempt at improvement, by crossing two tures: and, in breeding bulls, though some of them may apparently do, yet their breed is not to be trusted. The first cross between a good shorthorned bull and a good Kylue cow, will make a wanted. If such a cross is to be persevered in, the male should always be of the same breed with the

Mr. Editor,-I have always considered Mr. Bar-

tions, have borne the same general characters.—Observations by C. Mason, Esq., of Clifton, co. Durham.

*Sir John S. Sebright's Essay, p. 7. Incessant care and attention, however, are necessary, to keep them up good grazing animal; but by proceeding farther, to the mark; and this is rather fortunate than otherwise, disappointment will ensue, if a regular stock be

Young's Lecture, p. 9.

It having been found, that this system produced animals quite deficient in vigour, those who are now possessed of a capital stock, keep two or three streams of blood, quite distinct, that they may avoid a consangui-

Sir John S. Sebright's Essay, p. 13. Paper by Hen-

* Paper by T. A. Knight, Esq., Comm. to the Board

General Report of Scotland, vol. iii. p. 17, | General Report of Scotland, vol. ii. Appendix, p. 109.

No. 27. -vol. 8.

of Agriculture, vol. ii. p. 186.
† tiusbandry of Scotland, vol. ii. Appendix, p. 109.

JOHN HARE POWEL.

Powellon, Sept. 13, 1826.

ON YOLK, AS AN INDICATION OF THE FINENESS OF WOOL!

It has so happened that for some months I have Farmer, and had therefore not seen what had been published there in opposition to the few remarks which I had taken occasion to suggest on the selection of Merino sheep, as the result of my own observation, and confirmed by that of every skilful breed er of that stock with whom I have conversed on the subject, for several years. It is of no small importance for those who are engaged in improving fine greatest quantity of yolk indicates the finest wool;" to which I added "that the pendant dewlap and best quality for a gentleman's table." If prejudices woolly heads and legs, though also once esteemed such as these were so difficult to combat among a ly found in the substitute, viz: grease and tar! characteristic marks of fine wool, were not to be motton eating and wool manufacturing people, how Now, let us see what later writers have sa relied on in the selection of a flock," and that an much more likely would the crude and erroncous the subject of the grease and tar application. Sir "excessive secretion of yolk was rather injurious notions of the most unprejudiced men of that day than otherwise to fine wool." Opposite opinions become the confirmed opinion of their contempora- "Shepherds vary in their answers, when asked why have been urged upon the authority of respectable ries, and be adhered to as prejudices by their such they smear their sheep. Some say it is intended persons in this country and agricultural writers of cossors? An abundance of yolk was found in Merito they snear their sheep. Some to core it; others say it some eminence in England. I therefore propose to rino fleeces were finer than as the purpose of keeping off rain, and some rino fleeces were finer than as the purpose of keeping off rain, and some re-examine the points in controversy, in the hope of others; therefore, an exuberant secretion of yolk assert that they do it merely to soften the wool; but

such an assertion would be absurd: but I contend to give an elaborate speculation on the subject, to demns the use of it for time woolled sheep. that paper, he would have said, with Mr. Tessier, what is the substitute to be employed. "In the of yolk may occasion an irritation in their skin and that "the young ones have it to the extremity of southern parts of the Island," says L., "the yolk is prove the cause of some of those malaoies to which their feet," and that a considerable part of this re-sufficient for the production of a coat which enables that organ is subject in damp, warm weather; formarkable covering on the face and legs, disappears the flock to endure the rigours of winter and to tunately at this season they are occasionally expos-

ney Sheep extremely fine of the kind and to them before the sheep are five years old. When Merinos prevent the fleece from becoming thin and hairy." but I refer to when I stated (Memoirs Pensyl, Agric, were first introduced into England and in this countries to merinos prevent the fleece from becoming thin and hairy." but "in the northern parts, and on the hills of Scotland, and prejudices derived from authority are found to and the profound chemico-physiologists of that en-

is so nearly corrected.

Soc y page 111.) "A successful grazier of Delaware try, there was a prevailing opinion that all those some of the breeds produce it in such small quanhas she was his sagacity by crossing with Jeffry's, and characteristics which most distinguished them from tities as to render it unsafe for the farmer to expose other sheep, he has gained size and weight of other sheep, were the evidences of superiority in his flock to the severities of winter, unless he furfleece." And I may add that the finest Bakewell relation to each other. These opinions found their nish them with an artificial covering of grease and sheep (as it is called,) of Beancs' importation, which way into essays and agricultural reports, and were tur in order to keep them warm." Such is the I have possessed is derived from Mr. Berney's flock.

Your obedient servant,

Your obedient servant,

Your obedient servant,

Your observation and experience, to be ration in the general economy of nature! "In warm fallacious. It may be remarked, that few persons climates," says he, "nature provides this nourishing give sufficient attention to the subject ever to be- soponuceous pabulum" in sufficient quantity to keep come nice discriminating judges of fine wool; as the sheep warm and prevent the growth of hair, but our skill in this respect improves, our impressions in the hills of Scotland, nature neglects her duty, yield: but the subject has become by that time a lightened region have discovered that grease and stale one, and the cucoethes scribendi has so abated, tur are an excellent substitute for soap and potash, that few ever think it worth the trouble to refute (the component parts of yolk.) Remarkable siminot had an opportunity of reading the American errors even of high authority, when public opinion litude, and admirable discovery! By parity of reasoning, we may expect, in due time to find, that the It was said by intelligent writers in England, he-natural covering on sailors' legs, instead of being fore and after the introduction of Merinos into that thin and hairy, will be converted into "a soft and country, that their wool would degenerate in any attenuated pile" of fine wool, sufficient to keep them climate colder than that of Spain, and that their warm without the covering of the greasy, tarry mutton was not fit to eat. Every body believed it, trowsers which now so encumber those noble feland the manufacturer would not buy the wool from lows! In a subsequent part of his book, Mr. L. obthe King's flock after inspecting it: they would not serves, "that wool is injured by the readiness with woolled sheep to be able to judge accurately of the trust the evidence of their own senses, (see the resential quality of their stock, and perceiving a port of Sir J. Banks, in 1800.) These sheep were once prevailing, but now exploded error, repeated imported in 1792; in 1796, a forced sale of the to preserve the yolk and repel the water. Thus in in a number of your paper by one of your corres-wool was made, and for several years it sold below order to maintain an absurd theory, the whole eco-pondents, it seemed to be due to the interests to the imported Spanish wools. In 1801, some car-nomy of nature is arraigned by Mr. L., and an artifiwhich your very useful and ably conducted paper casses were given away, and one butcher was in cial system introduced. Grease and tar are first made is devoted, to suggest a correction. The opinion duced to buy a few more. At length, says Sir Jo- a substitute for yolk, which preserves warmth and excepted to in my former remarks, is "that the seph, "eeperience has demonstrated, both at B ind destroys hair, &c.; then yolk is found to possess too seph, "eeperience has demonstrated, both at Wind destroys hair, &c.; then yolk is found to possess too sor and Waybridge, that Spanish mutton is of the great an affinity for water, by which the wool is injured without the aid of a repellant, which is readi-

Now, let us see what later writers have said on relecting troth, believing that it is a most important is essential to the growth of fine wool, to the pre- it cannot be denied they bedaub their sheep with tar matter in agriculture to have any one fact in relation to it settled.

The reader will observe that in the selection of a mions I am combatting are founded. Luccock is the admit that a proper composition may be of some Merino flock, the peculiarities of Merinos are to be chief authority relied on to support them. The use, but adds, that "it can have very little effect on considered, not in comparison with other breeds, writers before him seem to have embraced the no-coarse fleeces," and that for the finest wool, which but in comparison with each other; not as a species, tion upon the syllogistic foundation above stated, is supplied with an oily matter, it is unnecessary. but as individuals of a species. I shall not, there- and mostly dismissed the subject with a passing re- Sir Joseph Banks, who had the care of the King's fore, contend that Merinos have less yolk, or less mark. He probably adopted it in the same way. Merino flock, says "that smearing is required in wool on their heads and legs, than other breeds; but it comported better with the plan of his work proportion to the coarseness of the fleeces," and conthat the excessive secretions of yolk and the excessive secretions of yolk and the excessive covering of wool on the heads and legs of inserved, that he was a wool stapler, not a breeder of in the practice; and that it is useless for any other dividual Merinos, is no evidence that such sheep have finer wool than those of the same race which are not so marked. In performing this task, little are not so marked. In performing this task, little assorted in the fleece before washing; but the Engties upon which the opposite opinion is founded. Ish stapler does not handle it in the yolk. Luccock sord. The English writers seem to have been the agricuntural world as a breeder of some note in Merino wool in the yolk; as indeed the oare pass-England. He had procured a few full blood Meri-ing it through his hands could not enable any one obnoxious practice of smearing, and they seized nos from the King's flock, and was engaged in to determine the proporties of yolk. He candidly the occasion to get rid of the prejudice. Vauque-crossing them with the finest woolled races he could admits that the investigation of the subject "was lin, a very respectable French chemist, who is re-When he wrote his paper to the Board of more properly the business of the grazier than the ferred to by all subsequent writers as the disco-Agriculture, he had comparatively but little experience, and he evidently spoke of Merinos as a race acquiring information;" and adds, that "the FEW wool which had remained a long time in its own in distinction from other breeds, when he said they FACTS with which we are furnished, indicate that were "buried in wool to their eyes, with their legs without the assistance of yolk or the application of which took place in strong, soapy water." "May enveloped down to their very hoofs." He does not some other substance as a substitute for it, wool it not be possible," says he, "that this accident say these marks indicate the finest woolled Merinos possessing the best qualities cannot be produced." often takes place on the backs of the animals, espeIf he had waited a few years longer before he wrote Now, let us see what the facts alluded to are, and cially during damp warm weather. The accidity

ed to rains which wash them and carry off at least sirous to ascertain their opinion on the effect of high The juice expressed from to this, was put a part of this matter."

thority for the opinion of "Curwen" on volk,-let though undoubtedly javourable to the production of motive which produced it. good qualities in wool, is not absolutely essential to the fineness of the pile." The reader must now be satisfied that Mr. L. was a speculative writer, wholly THE ACCOMAC, OR MAGOTHY BAY BEAN. destitute of any claim to be regarded as authority on this point. I shall, therefore, dismiss him and suggest a few remarks for the consideration of those keeping renders wool rather coarser than low keep The breeders of Merinos have been for some time reluctantly yielding to it—the authority of Mr. Sheppard, and many others, for this fact is almost irresistible. Now, it is well known that the same sheep when fat, secretes more yolk than when lean; than ewes, while the latter have the finest wool, use. These facts are incontrovertible, and are wholly irreconcileable with the theory, that the most volk indicates the finest fleece.

In one of the essays published, in the American Farmer, a Mr. Bullock certifies that "Southdown pick lock is preferable to Merino pick lock of this country." If this be true, how does it happen that the Southdowns can produce such fine wool without secreting more yolk than the common sheep of this country—if yolk be the "pabulam of wool," its essential support, one would suppose it as important to that end in one race as in another: all who have seen badly selected Merino flocks, imported or native, must know that there are often to be found among them, individuals actually inferior in fineness of pile to the ordinary half bloods, while they abound in yolk to a much greater extent. In addition to these facts, it is known that wool sheared without washing, and put away in the yolk, takes injury which it will not do if well washed on the back, in which state the manufacturers greatly prefer it. habit of examining wool and Merino sheep with very minute attention for fifteen years, and from my own experience, and that of every other practical breeder whom I have met with for several years, I cannot be mistaken in the conviction that the quantity of yolk in a Merino is no indication of the quality of the wool, and that a very copious secretion of it is very detrimental to the wool .- it causes dirt to adhere, and keeps it wet after rains so long as to spoil the tenacity of the filament, as any one can ascertain who will compare the strength of the outer ends of a very dirty fleece with those of one which has little yolk in it. I was present at a sale of Saxon Merinos. in New York in June last, there was a very large collection of Merino breeders from the states of New York, Connecticut, Vermont and Massachusetts; also several from states further south:-probably more practical skill, on Merino breeding, than has casions, when they may be submitted to the taste and who sends to be tasted ever been at one place in our country. I was de-judgment of select parties. This bottle of patriotic such samples of taste.]

part of this matter."

keeping, and found, as far my inquiries extended, into a thirty gallon cask, to which I added seventy-that they were unanimous in a settled conviction, two pounds of brown Havana sugae, of a handsome the scabby condition of hearty and the states, and their that moderate keeping produced the finest wool; I quality, and then filled the cask nearly full with liability to that disease, when kept in close folds, are also inquired whether they regarded a very copious frame building, where it was exposed to the greatest strongly corrobative of Mr. Vauquelin's theory. But to return to Mr. Luccock who is the chief au- The countenance of every person to whom I put the heat of the summer. It has never been in the celthority for the opinion of "Curwen" on yolk,—let question indicated surprise that such an inquiry lar, nor has it had any distilled spirits added to it, us hear what he says of his own experience in Merino sheep, the only race in which an exuberance of gard to any marks but the quality of the wool on deem important in the manufacture of currant wine. yolk is found. Page 85. "I have not seen," says he, every part of the carcass; some added, that so far In the first place, I think I have proved the dry box "any of these anim its or their produce which are said from regarding the yolk as a favourable mark, they sugar to be much preferable to the common Musto afford a staple equally fine from every part of would always prefer cateris paribus, the sheep which their body; but conjecture that if this breed were had the least of it. The fact that yolk is no indica- and its not communicating any foreign or molasses minutely examined it would appear that the yolk is tion of the degree of excellence in Merino wool is flavour to the wine. And in the second: The great produced in equal quantities in every part of the so obvious, and can be proved by an examination of objection which stands against the domestic wines carcass." Thus it appears that Mr. Luccock had any flocks in the United States so easily, that I of this country is, that a considerable portion of never seen a Merino, not even a mixed blood of that race. would as soon think of looking into my almanack to the saccharine matter remains suspended in its na-Can it be necessary to combat his theory of yolk ascertain the state of the weather while I am writtural form. By keeping the wine in a warm situaany further? If it were we have his own admissions ing, as to refer to the authority of any writer who tion, the fermentation goes forward more actively after all the crude speculation he has given, that speaks without experience on such a point. I and perfectly, and approaching a state of drypess. "the copious and regular perspiration of the animal, hope you will excuse this long paper from the same produces, (simply by the process of vinous fermen-

J. S. SKINNER, Esq.

September 15, 1826.

Sir, -Some time ago I owned a poor sandy field, who have placed too much confidence in him. It which repeated green dressings with buckwheat cautious in the selection of such kinds, both for the may be considered as a received opinion that high could not fertilize. Having read what is extracted table and wine, as appear to be fitted to the climate, below from Bordley's Essay on Husbandry,* I endeavoured to procure the Accomac Bean-seeds, but fitable investment of money and labour. did not succeed, till just now, when I received some from an acquaintance, who was on a visit in Accomac. Owning no field now, I take the liberty of sending the seeds to you, supposing, that in the it is also, well known that rams secrete more yolk hands of some one of your friends they may be of

HORTICULTURE.

HINTS ON THE MANUFACTURE OF CUR-RANT WINE.

To the Editor of the American Farmer:

wine was made in the summer of 1824, at my currant orchard, (Germantown, Pennsylvania,) from mist,—there is no virtue which I do not attribute the common red currant, in the following manner.

* The Accomac, or Magothy Bay Bean (Cassia chamæcrista, of Linnæus,) has wonders imputed to it as an ameliorator of the light sandy lands in the peninsula of Virginia. To size, and other particulars, the plant may drawbridge of the city gate, the asylum of moral be considered as being a Lilliputian locust tree; for all and physical corruption, to go and work in his though it is an annual, yet its stem is a hard locust-like lands, or enjoy them, his heart rejoices at the sight wood, and its leaves, flowers, pods and seeds, greatly re- of nature, and experiences the same sensation as semble those of that tree. The woody hardness of the his lungs, on receiving the pure air that refreshes I shall only observe further that I have been in the plant is in appearance against its being a choice amelio- them." raator, as it is not likely to ferment, and, as it were, melt away in the ground, so soon as buckwheat and other juicy, soft substances. No plant, however, can and brandy-less wine will be drunk at the next meeting exceed the shade it gave on a piece of ground in my of the Trustees of the Maryland Agricultural Society By on a sandy, loose soil.

Phila., 1801, p. 46, note.]

tation.) such a quantum of spirit, as makes it entirely unnecessary to add any artificially prepared.

I have been for several years engaged in making currant and cherry wine, and have now near 3000 currant trees growing. I am also establishing a vineyard of three acres, from which I shall expect some grapes next season. I have been peculiarly &c., and have every confidence in its proving a pro-

EDWARD H. BONSALL.

Baltimore, 9th mo., 15, 1826.

ON GARDENING.

(From the Works of the Prince de Ligne.)

"I should wish to inspire all the world with my taste for gardens. It seems to me impossible that a bad man should possess it: he, indeed, is incapable of any taste; but if I, for that reason, esteem the searcher of wild plants; the active conqueror of butterflies; the minute examiner of shells; the sombre lover of minerals; the frozen geometrician; the Respected Friend,—The accompanying sample of three functicks of poetry and painting; the absent author; the abstract thinker; and the discreet chyto him who loves to talk of gardens, and to form them. Absorbed in this passion, which is the only one that increases with age, he daily overcomes those which derange the calmness of the soul or the order of society. When he has passed the drawbridge of the city gate, the asylum of moral

garden. A Lilliputian might have been there lost in the bye, it has pleased us to perceive, on the part of a darkness. This shade and a perspiration from the plants, gentleman, hitherto incorrigibly sceptical as to homeduring the greatest heat of summer, together with an made wine of every kind, some symptoms of "veering extraordinary quantity of blossoms, pods, and leaves, about." to the increasing dryness of our summers he which the plants deposit on the ground, are probably begins to perceive a better adaption of the climate to which the plants deposit on the ground, are probably what give the great manuring and amelioration, which the people of Accomac satisfactorily experience. But this plant, which is not the Partridge Pea, is so difficult not to be wondered at that he should be slow to encounter the plants deposit on the graph; but having himself, perhaps, the best cellar of imported wines in the state, it was not to be wondered at that he should be slow to encounter the plants deposit on the ground, are probably what give the great manuring and amelioration, which is plants deposit on the ground, are probably what give the great manuring and amelioration, which is plants and probably the period of the climate to be graphed and the literating the period of the climate to be graphed and the probably what give the great manuring and amelioration, which is plants and the probably the period of the climate to be graphed and the probably the period of the graphed and the probably the period of the climate to be graphed and the probably the period of the graphed and the graphed and the period of the graphed and t to eradicate, it is said, that it might become an injurious rage the hebetating, unskilfully compounded drink, weed in other soils and courses of crops than those in which is sometimes introduced under venerable names. Accomac. Their courses being maize, oats, and lay, From a gentleman at Brighton, in Massachusetts, we received, not long since, a few bottles of very superior [Bordley's Essays and Notes on Husbandry, 2d edit., home-made wine; amongst them, some called Brighton Phila., 1801, p. 46, note.] Champagne, approaching so nearly to the best imported, as to require a very delicate taste to distinguish it.

INTERNAL IMPROVEMENT.

CHESAPEAKE AND OHIO CANAL.

(Concluded from page 204.)

[Upon these estimates the National Intelligencer makes the following observations:1

It was publicly stated on the floor of Congress, during the last winter, that the portion of the Chesapeake and Obio Canal, between Cumberland and tide water, being in length one hundred and eighty-four miles, with a lockage of 578 feet, and having a breadth of 50 and depth of 5 feet, would cost upwards of 8,000,000 of dollars. In this estimate, it is understood that portions of the labour and materials, were computed at the following prices:

In Masonry and Stone Work, for dry

walls, where stone is on the spot, \$3 00 the perch. For walls constructed with mortar,

per the cubic yard \$5 \$1 cents,

equivalent to,
For bricks per thousand,
Lime in all its uses, at 5 371 8 00 50 the bushel. And day labour, per day, at 1 00 t500 00 Lockage, per foot fift, at

on the most expensive part of the route of the canal, after the first ten or twenty miles, as follows:

For dry walls, \$1 50 the perch. For walls constructed with mortar, 2 00 For bricks, per thousand, 4 00 For lime, per bushel, For labour, by the month, at the rate 25 per day, of 50

It is well known, that, after reaching the Bluc Ridge, these prices may be yet further reduced:

The rubbling of the external surface of the Canal Banks, to prevent abrasure, by river freshes through-

\$t 00 the perch. out, to Excellent stone laid in mortar, 1 75 Bricks, per thousand, near the tun-

nels, where alone they will be required,

Lime, per bushel, in stone, one of which with make near two of slaked lime, to

16 2-3 Labour, as before, &c. 50 the day. From beyond the Allegany, the Delegates from

along the Allegany river.

Abstract from the contracts entered into on the Western Section of the Pennsylvania Canal.

1, 10, 14, 29, 51, 69.	15 5 15 Chains.	Excavation 5.5.5. Excavation 5.5. Ex	Average cutting.	6 6 9 Embankment 6 7 7 Per cubic yard.	6. 6. 5. 6. Rock Excavation
1,	21	7½ c.	7 ft.	64 c.	33 c.
10,	21	10		6½ c.	25 c.
14,	18	7 5	15 ft.	9 c.	35
29,	21	5.9		9.9	371
51,	21	5.8		6	
69.	9.1	74		10	40

Locks, per perch, less than \$4, including all expense, or \$3990 for a lock of ten feet lift, say \$400 a foot lift, including all expense, fit for boats to pass through. The locks are ranged and hammered stone.

Small aqueducts across the creeks, \$7 per foot run. We also state that common day labourers are hired at \$15 per month, including boarding, &c. This is the highest rate.

Lime, to cents per bushel, (stone.)

Best brick \$31 per thousand.

JAMES S. CRAFT. HARMAR DENNY.

25 miles of Canal, with its lockage included, have the consumer. been bona fide, put under contract, with skilful and responsible contractors, for less than 9000 dollars the mile. The breadth and depth of the Canal being the same with the dimensions of the canals of New York.

On the subject of coal, the gentlemen from whom a part of the above facts are derived, furnish the following gratitying particulars: That coal is now supplied from Pittsburg by water carriage, to Louisville, at the distance of 550 miles, in arks that never return, at from 6 to 8 cents the heaped bushel.

That, in Pittsburg, it is conveyed from the coal excavations to the dwelling houses and factories in town, a distance of from one and a half to five miles, at 3 cents the like bushel. And, the following analysis of this price, shows that it is not founded on thee, merry knight, being in the same predicament transient circumstances.

The day labour of the hand, who excavates the coal, and brings it to the mouth of the cavern, supplies one hunared bushels, which, at I cent the bushel, allows for his labour a subsistence, and the rent of the mine one dollar the hundred bushels.

A wagon, with five horses and a driver, makes These estimates may be reduced, it is believed, four trips a day, over a distance, by a turnpike, of combined against bachelors, partly to please it, the most expensive part of the route of the canal, one and a half miles, bringing, at each trip, 70 bush-partly to please myself, I got married; and although els, and in the day, 280 bushels, which at 3 cents per bushel, allows four dollars for the use of the wagon and team, and leaving, for more distant supplies or for profit on these, from the nearest caverns one hundred and sixty cents per day, to the capital ists engaged in this business

It is known that the Chesapeake and Ohio Canal mountains, reach, in the first two hundred miles, profit, by the canal, for four cents more, and paying chaise ourselves—the chaise costs only one half as 3 50 pr thousand cent. less than any coal now supplied to these mar-Pittsburg supply the following facts, as the basis of a bushels of heaped coal are computed at Pittsburg, try of gates, a foot man, and I have not them to yet lower estimate, being that derived from the ac- to furnish as much heat as one cord of the best spare." tual contracts for constructing 25 miles of the new hickory wood; and sixty bushels, which cost, deli-Pennsylvania Canal, extending up from Pittsburg, vered at the factory, one dullar and eighty cents, teel family has a coach-and, you know, I cannot quarter actual hours, to three thousand cotton spindies, while the factory is, at the same time, and by the same fuel, warnied throughout.

It is left to arithmetical calculation, guided by a canal, the cost of which, it is now confidently believed, between the excavations in the mountains that coach she now used was borrowed. furnish the coal, and of which they are in a great measure composed, and the tide water of the Potomac, will not exceed four millions of dollars.

Six and a quarter cents toll are charged upon the bear a fair proportion to its price, but because the of living it introduced. commodity will bear the toll. When the other uses of the canal shall admit of it, this toll may be reduced to two cents the bushel, and coal supplied to the District on cheaper terms than it is now furnish-Stone work, per perch, on culverts, &c. from \$1.49 to ed from Pittsburg to Louisville, viz: at six and a For a long time little was thought of, by my wife ing the reduced rent of the Canal Bank.

Allowing 150 bushels for every family, and con fining the consumption of coal to the inhabitants,

The result of all these facts is simply this, that cost of that part of the canal which conveyed it to

LADIES' DEPARTMENT.

FOR THE AMERICAN FARMER.

"Falstaff. Boy,-Page. Sir?

Falstaff. What money have I in my purse? Page Seven groats and two-pence.

Falstaff. I can get no remedy against this consumption of the purse. Borrowing only lingers and lingers it out, but the disease is incurable."

Unfortunate Sir John! so fond of good living with means so slender!-I condole, I sympathise with

It may be useful to some of your readers, Mr. Editor, to know by what process my purse, once distended by gold and silver has been thus sweated down-how it contracted this incurable consumption. I commenced the world with some advantages: such as family, reputation, property.-Finding the world I did not find matrimony "such great things as it had been cracked up for," I was pretty well satisfied, until I found my expenses increased in an alarming degree. "My dear" soon discovered that we wanted a vehicle to ride in. I reminded her of our "chaise and one," the good old style of our country; but she preferred a "coach and pair." I objected to the will, in any of the contemplated routes, across the cost—that I could not spare the money.—She replied that neighbour Dash, no richer or better than and pass through inexhaustible beds of excellent myself, had a "double carriage." I tried to concoal, which may be loaded in a boat a, a cent and a vince her that this would bring on "double trouble," quarter the bushel, transported to Washington with as well as double expense. "We can drive the a toll of six and a quarter cents, leave one and a much as the coach, and, besides, we have the chaise quarter cents a bushel, for the rent of the mine; already—one horse costs and consumes but one half and yet, be sold in the Washington market at as much as two-and, again, we already have twelve and a half cents the bushel, and in that of "Dumpling," for whom I have no match, and, there-Baltimore, Philadelphia, or New-York, at 30 per fore, should have to buy a pair, which, you know, are not worth any thing unless they are exactly alike, kets. Messrs. Denny and Craft state, that seventeen The coach must have a coachman, and, in this counspare." "But, my dear," said she, "you are of a good family, as well as myself,—every gengive motion, for twelve effectual and thirteen and a drive." I urged the example of neighbour Thrift's wife, who could drive, ride on horseback or walk, as might be most convenient: but she remarked that "Mrs. Thrift did not come of a good family, and that this, in her, was all natural enough. knowledge of the arts and of the uses of such fuel, should I look were I to meet Mrs. — rolling in so cheaply provided, to estimate its consumption, a coach, and I driving Dumpling?" I replied that and the profit which its supply must yield, upon the Mr. - had died a bankrupt, in consequence, as it was thought, of her extravagance, and that the

The contest was often renewed; at length, whether from the flattery contained in her argument, or the sake of a quiet house, the coach was bought; and from that moment I date the commencement of my bushel of coal; not because in any tariff this would ruin; -not exactly from the cost, but from the style

The importance of a family, in the country, is wonderfully increased, in their own conceit, by a "double carriage,"-not a negro on the farm but feels it, and becomes more proud and worthless .quarter cents the bushel-one fourth of a cent be- and servants, but sporting the coach and long tail bays. Dumpling was reduced to the ranks; and I could not help thinking that he reproached me every time we met. My plough and cart frequently stood whom it would reach, on the waters of the Poto-still, when they ought to have been moving, for the mac and the Chesapeake, alone, it cannot be ques- want of my principal hands, the coachman and foottioned, but that at six and a quarter cents the bush man. Every thing went wrong. Instead of selling lel, it would pay an income of six per cent. on the I had to buy com; instead of putting out money at

interest every year, I had to borrow-to put my name on the "lender's book." The wheat went for necessaries and luxuries-we had a constant round of company; and every farmer knows how that operates. I gradually lost my spirits, my good humour, had my misgivings-saw breakers ahead, but did not change my course. At length I was obliged to mortgage my land. After that I resigned myself to my fate. I formerly delighted in improving it--but who ever improved a mortgaged farm? when it comes to that the game is nearly up-you may almost say, "Othello's occupation's gone."

Ruin now approached with rapid strides. My credit sunk --- my neighbours began to prophesy; friends to be ceremonious, and shy, especially at vendues-sometimes remarking, accidentally, in my hearing, that they had come to a resolution not to be

security for any one.

"Misery makes a man acquainted with strange bed fellows."-I found it so-numberless evils, not foreseen, as the result of poverty, were now not only seen, but felt. Shifts for "raising the wind," and keeping up appearances, were resorted to that I do not like to remember. Friends fell off—creditors pressed-my note was no longer current at bankcrops, worse and worse. Interest accumulatingexpenses undiminished—what was to be done?-Luckiby one of the servants (that is the fashionable phrase) misbehaved, and was sold to a negro traderit went against my conscience—the idea that we had time; but, although repeated, again and again, it would not do. Suits were brought-judgments, executiuns and cash sales soon followed, and swent every thing by the board. The predictions of my neighbours were fulfilled—they "knew it would be so"—
"pride must have a fall." I took pains to get a good master for Dumpling-as for the bays they were struck off to a jockey, who nicked, and sold them to a spendthrift, who is trivelling the same road to

Adieu, Mr. Editor-avoid "double carriages" and long tail bays.

OLDSCHOOL.

THE TOMB OF WOMAN.

AN EXTRACT.

"For myself, I can pass by the tomb of a man with somewhat of a calm indifference; but when I survey the grave of a female, a sigh involuntarily escapes me. With the holy name of woman, I associate every soft, tender, delicate affection. I think of her as the young and bashful virgin, with eyes sparkling, and cheeks crimsoned with each empassioned feeling of her heart; as the kind and affectionate wife, absorbed in the exercise of her domestic duties; as the chaste and virtuous matron, tired with the follies of the world, and preparing for that grave into which she must so soon descend. Oh! there is something in contemplating the character of a wuman, that raises the soul far above the vulgar level of society. She is formed to adorn strew his path with flowers. In the hour of distress she is the rock on which he leans for support, and when fate calls him from existence, her tears bedew nis grave. Can I look down upon her tomb without emotion? Man has always justice done to his memory-woman never. The pages of history lie open to the one; but the meek and unobtrusive excellencies of the other sleep with her unnoticed is supposed by the best judges to be within 200 in the grave. In her may have shone the genius of the poet, with the virtue of the saints; the energy of the man, with the tender softness of the woman. She too may have passed unheeded along the sterile pathway of her existence, and felt for others 28

WISCELLANEOUS.

PENSACOLA-CLIMATE, SOIL, PRODUC-TIONS, &c.

(Extract from a private letter to the Editor.) Pensacola, Aug. 3, 1826.

"The navy yard is laid out, and a few temporary buildings have been erected-next year, it is supposed, much work will be done on the buildings. walls, wharfs, &c. At present we have to dispute

possession with the rattlesnakes. This city fell short of my expectations—it is in a state of dilapidation, and the country around it miserably poor. The climate, however, is agreeable, and the people kind and hospitable. I met with an old acquaintance in the commander of the military here, Colonel Clinch, who, with a number of other eight hundred and twenty-two. gentlemen, has been very attentive to me. I bave been to at least, (or might have been) half a dozen balls, to say nothing of dinner parties. Judging from was 2,962, (see Am. Farmer, vol. 1, page 4.) It is appearances I should not expect the yellow fever to to be regretted that we are not told of what breed originate here. That which desolated the place in these calves were.] 1822, according to the account of the inhabitants. was produced by a cargo of damaged cod fish. The water from springs is abundant and excellent. The bay affords good fish-the woods game-and our vicinity to New Orleans enables us to get almost any that we are able to buy, in a few days. The frost in 1822 killed all the orange trees in Louisiana eat him up, though an odd one, haunted me continual, and West Florida; but they are putting up again ly. This expedient, not to say crime, served for a from the roots, and will bear next year. The fig is produced here in perfection The vine makes but little figure; but it will, no doubt, do well. The Spaniards pay no attention to improvements, and

> The gardens produced wonderfully to their looks. There is little or no soil-nothing but white sand,

> the first swarm of adventurers after the transfer

soon passed away. Many of the houses that brought

fifty dollars per month rent, can now be had for ten.

I know of several that are occupied rent free.

and is a luxury within the reach of all.

The good land in the Territory is estimated at only 250,000 or 300,000 acres. That around Tallahasse, the seat of government, is of a sandy loam, and prolands will not bring more than ten dollars per acre. 62 to 10d. I have been much amused with the account of a journey from St. Augustine to this place, on horseback-about 500 miles. The gentleman swears that he would sooner return to the United States by way of China, than go back the same route.

This is the land of flowers—the cape jasmine is abundant, but the most beautiful shrub I ever saw is the fringe myrtle—I must try and send you some of

the seed when ripe.

THE CHILLICOTHE TWIN CALVES.

A Steer and a Heifer, raised by George Renick, near Chillicothe, were seven years old last spring; and for size and beauty far exceed any animals of and humanize mankind, to soothe his cares and their kind ever produced in the western country, or perhaps in America. The steer is 16 hands high is 9 feet 6 inches long from the top of the head to the root of the tail, measures 10 feet round at the girth. and 10 feet 10 inches at the thickest part of his body, and weighs 2,996 pounds.

The Heifer has not been sufficiently docile to admit of her measurement or weight being taken; but pounds of the weight of the Steer, and is undoubted-

y the finest ever raised in America.

The following certificate of the weight of the Steer is added for the satisfaction of the publick:

Publick Hay Scales, Chillicothe, Nov. 9, 1822

dle Steer, one of the Chillicothe twin calves, the property of Mr. George Renick, and found the weight to be two thousand nine hundred and ninetysix pounds.

JACOB EIKELBURNER, weigh master.

State of Ohio, Ross county, Mayor's Office, Chillicothe, ss.

I, Levin Belt, mayor of the town of Chillicothe, do certify, that Jacob Eikelburner, who signs the above weight of Mr. George Renick's Steer, has been regularly appointed by the council as our weigh master, and that faith and credit is due to all his certificates as such.

In testimony whereof, I have hereunto subscribed my name and affixed the seal of my office, this fourteenth day of November, in the year one thousand

LEVIN BELT, Mayor.

[The live weight of Mr. Barney's Ox, Columbus,

Riot.—Between 20 and 30 Irishmen, labourers on the U. States fortifications at Newport, made a riot on Long wharf in that place on the 10th inst. They fought with violence for some time, but were quelled by the civil authority, and the ring leaders of the mob were committed to jail.

ITEMS.

(From late English Papers received at the Office of the American Farmer.)

It was unusually sickly at Liverpool, and other places, occasioned as was supposed by the extreme heat of the summer.

'In Manchester and Salford, there are thirty thousand individuals who receive relief from the subscripthe reflection from which is disagreeable and hurtful tion fund, in addition to those who are partly sup-to the eyes. Bathing in the bay is much practised, ported out of the poor rates. These rates, including 10,000l. paid by the county, amount to 50.000l. per annum, and fall at present as a tax on rental to the extent of 3s in the pound.

Norwich, Aug. 4 .- It is much to be regretted that duces corn, cotton, and sugar cane abundantly. A at a period like the present, provisions of all kinds fine tract of U. States lands will be sold next winter, are excessively dear; mutton and beef are seiling as on the Chipola—a stiff soil. The best uncleared high as 9d and 10d a pound—veal has risen from

SPORTING OLIO.



LONG ISLAND RACES.

The Union Course Races, on Long Island, comence on the third of October next:

First day, four mile heats, for Second day, three mile heats, for . . . 300 Third day, two mile heats, for . . . 400 [Times.

TROTTING MATCH.

A trotting match took place at two o'clock yesterday, on the Union Course, near Jamaica, Long Island, between a sorrel cropped horse and a bay mare; both owned by gentlemen of this city. The distance trotted was one mile and repeat, and the wager, \$500.

For three-fourths of the first mile the mare kept the lead; but on commencing the last quarter, the crop showed his superior foot, passed his antago-I hereby certify, that I this day weighed a brin-nist, and came out about two thirds of a length

ahead. Time of this heat, three minutes and a second and a half. The time of the second heat was two minutes and fifty-six seconds; and, although trotted so much quicker than the former, was by no means equally well contested, the mare being nearly doubly distanced. [N. Y. Gaz.

TROTTING MATCH.

The match for Mr. Ferguson's gr. trotter, Arbitrator, to perform sixteen miles in one hour, with feather-weight on his back, was won, June 16, over two miles of the Newstead-enclosure, as follows:

M. S.		M.	5.	
Two miles 7 20 Two miles .		. 7	30	
Ditto 7 20 Ditto		. 7	20	
Ditto 7 20 Ditto		. 7	10	
Ditto 7 8 Ditto		. 7	20	
29 8		29	20	

LEAP EXTRAORDINARY.

Samuel Fletcher, a sailcloth weaver, at present in the employment of Messrs. Maberly & Co. leaped over the old bridge of Don, into the river, a height of about fifty feet. Within two seconds after his fall he rose to the surface of the water, and swam ashore amid the acclamations of all present. We understand that on Monday next, in the afternoon, he intends to repeat the experiment.

PEDESTRIAN.-Late in May, Townshend completed, with ease, his astonishing task of 640 miles in ten days, being six miles more than any other man has ever accomplished in the same time.

[Annals of Sporting.

MORE OF THE CUB MARE.

[From another Correspondent.]

Washington, Sept. 16, 1826. DEAR SIR,

The Cub Mare, celebrated as a runner in Maryland and Pennsylvania in 1790, was trained and run by the late John Gibson, of Harford, in partnership with Mr. Christic. She was killed at Lancaster, Pennsylvania, when running a second four nule two of oil of olives has been rubbed: stroke your nour the health which exercise procures, and the heat, by a quarter horse crossing the track. She was aged at the time, but it is not probable Rather, &c. could have descended from her. The description given of her in the American Farmer is very exact.

THE HUNTSMAN'S CALL.

(From the Daily American Statesman.)

Wake, wake, night's lamps are fading fast, The dappled dawn appears; Hark, hark, the bugle's winding blast The hound and huntsman cheers: With sinews braced, their course they take, And brush the early dew;

O'er hill and dale, through bush and brake, The pack the game pursue.

With mingled shout resounds the air, Each bounding heart beats high; Awake! and to the fields repair, Hark forward is the cry! 'To horse! and mingle with the chase, The field-sports chide delay; Diana calls—The sylvan race Repeat the hark-away.

Content, the rural pastimes yield, Where horns and hounds invite; Then wake! and beat the hunting field, The hoers are brief and bright! And when at eve the feast we join, Disdaining earth's control, Venus for us a wreath shall twine, And Bacchus crown the bowl.

RESIPES.

TO KEEP APPLES FOR WINTER USE.

answer, but it must be perfectly dry.

FOR CLEANING THIN COTTONS, AS GOWNS, &C.

Instead of rubbing the soap on the cotton, as is the custom with laundresses, make a solution of soap and put in your goods; then wash them as a washerwoman would. The benefit resulting from this difference of procedure is, that the cottons are cleaned all over in an equal degree, which is not the case when the soap is rubbed on the body of the cotton; for then we often find much soap in the pores of the cotton, which prevents such parts from receiving the dye, or appearing clear: whereas the solution, if made as described for quilts, &c., will extract all impurities, and do it evenly. It often gentleman alluded to, is original, never adhering

TO REVIVE THE FADED COLOUR OF BLACK CLOTH.

If a coat, clean it well; then boil from two to four ounces of logwood in your copper or boiler half an hour; dip your coat in warm water, and squeeze it as dry as you can, and put it into the copper. and boil half an hour. Take it out and add a piece of green copperas about the size of a horse bean; boil it another half hour, then draw it, and hang it in the air for an hour or two; take it down, rinse it in two or three cold waters, dry it, and let it be well coat regularly over.

The whole expense of this process (the firing exand the coat will look as new. Some dvers use old black liquor, instead of logwood and copperas.

[Tucker's Family Dyer and Scourer.

FARMUR.

BALTIMORE, FRIDAY, SEPTEMBER 22, 1826.

35 The writer of the communication "TO EMI-GRANTS," in the last American Farmer, will much oblige us by giving us his address; as we wish to place in his hands a communication from a friend who desires to purchase 700 or 800 acres of landor, if he will not disclose his name, will he have the goodness to specify where such lands are to be had for the price named. We have not the least doubt, that valuable lands on navigable water may be had for \$5 per acre, but we have not been in the way of knowing exactly where such lands are now for sale. The better way perhaps would be, for both parties to advertise, as the case may be, what they have for sale, and what they wish to buy.

& Sickliness of the tide water courses. - There is a general impression too much warranted by the fact, that all farms on our water courses are very liable to bilious disorders, yet we have known striking exceptions, growing as we are sure, out of the Harewood estate, from which the best buck is al-

rigid and sagacious management of the proprietors; we could name the case of a farm of 1200 acres on the Gunpowder River, in this county, cultivated by a mixture of free and slave labour—overlooked by a Put them in casks or bins, in layers, well covered Massachusetts man with his wife and family about with dry sand; each layer being covered. This him, on which establishment, for years past, there preserves them from the air, from moisture, and has been, and is now, as little sickness as amongst from frost; it prevents their perishing by their own the same number of labouring people in Washingperspiration, their moisture being absorbed by the ton or Allegany county, whilst fell disease is prossand; at the same time, it preserves the flavour of trating their neighbours all around. The owner is a the apples, and prevents their wilting. Pippins gentleman who has accumulated a very large forhave been kept in this manner sound and fresh, till tune by an enlightened, comprehensive and honour-midsummer; and how much longer they would able system of commercial operations. He has been have kept is not known. Any kind of sand will farming for some years, on what may be considered a large scale, though apparently more for exercise and amusement, and their concomitant, health, than with any view to profit.

"O happy he! whom, when his years decline, (His fortune and his fame by worthy means Attain'd, and equal to his moderate mind, His life approved by all the wise and good, Even envied by the vain) the peaceful groves Of Epicurus, from this stormy world, Receive to rest; of all ungrateful cares Absolv'd and sacred from the selfish crowd. on him the balmy dews Of sleep with double nutriment descend."

happens in coloured cottons, where greens, reds, &c to old customs but when they are sanctioned by are used, that the colour will run; in such cases his own reason. The reader would know how it some acid, as lemon juice, vinegar, oil of vitriol, or is that he secures to his people that greatest of any other, should be infused into the rinsing water, all blessings, health, which money cannot buy? As to preserve the colours, especially in Scotch plaids, far, then, as we understand it, the outline of his system is, to provide for his labourers abundance of animal food, good clothing, a most rigid confinement of every one to his house after sunset, from the first of September until after frost; and a strict probibition, under severe penalties, of fishing and exposture to night air. To these precautions, he adds a biscuit and bitters before going to work to stay the stomach until breakfast. Grass kept down and no trees planted to harbour musquetoes near the house. The result is rapid improvement of land, large crops, brushed with a soft brush, over which a drop or tors! and happily for his friends and to his own hofat cattle, robust health, and banishment of the Docwealth which is acquired by commercial sagacity are not united with a churlish and miserly temper. cepted,) will not exceed three half pence. If any Nature has added to his other blessings a heart to part of the coat, &c. should be worn thread-hare, welcome and a spirit to enjoy the society of his the nap must be raised with a prickly thistle, &c. friends. For them, and their diversion, more than for self gratification, not only the board is spread with all the delicacies of land and water in their season, but game of all sorts is reared and preserved, and the means of pursuing it kept always at hand. Such of them as delight in the chase, may there, when

> the cheerful morn Beams o'er the hills; go, mount th' exulting steed Aircady see the deep mouth'd fox hounds catch The tainted mazes; and, on eager sport Intent, with emulous impatience try Each doubtful trace, or if a nobler prey Delight you more, go chase the desperate deer;" And through its deepest solitudes awake The vocal forest with the jovial horn.

But if the breathless chase o'er hill and dale Exceed your strength, a sport of less fatigue, Not less delightful, the prolific stream affords. Others more hardy, range the purple heath, Or naked stubble; where, from field to field, The sounding coveys urge their labouring flight; Eager amid the rising cloud to pour The gue's unerring thunder:"

We cease to repine at the inequalities of fortune when she happens thus to pour her gifts into the lap of those who have hearts to disburse them freely at the call of benevolence and hospitality.

* & There are more than one hundred deer on the

ways selected as an annual offering to the venerable stallion of any foreign horse, before or since im- Georges, after having been here some days, with CARROLL, of Carrollton, on his birth-day. The last ported," of these recurred on Wednesday last, the 20th inst. when in fine health and spirits he received the to open their eyes to the practicability and the profit heartfelt gratulations of his family and friends, at of getting deeply into the blood. Why do not rehis manor, on Elkridge. It was highly gratifying spectable farmers, who unite means and spirit, get to see the last surviving signer of the Declaration of a fine blooded horse in each county? If they doubt Independence passing into his ninetieth year, still the profit of it, let them look at the sale of Mr. exhibiting so perfect a model of elegant manners, Field's horses in Virginia, a few days since. such a happy example of cheerfulness and intel- a single horse sold for \$3500, a mare for \$1650; and best, for \$1 per peck. Beef, best pieces, for 8 cents lectual refinement, erect and sprightly as any of the seven, the whole number, averaged about \$1000 party; left, as it would seem, by Providence, to in each culcate by their visible fruits the inestimable value of temperance, cleanliness, regularity in diet, and bodily and religious exercises, and a wise govern- to New York and paying \$50 for the services of per that will be issued prior to the meeting, it is ment of all the grosser passions. He plunges into Eclipse; but not long after, it was stated that they his limestone spring bath every morning before sunrise, and still rides on horseback with pleasure in good weather. A large portion of the day is devoted to reading. Having received, at St. Omers. the best classical education, he has always retained his partiality for Latin and French literature.

BUSSORAH.—The very beautiful sorrel Arabian horse, Bussorah, which was imported into New York, a few years past, and there sold for upwards of \$4000, is now standing to cover mares, and will see that for a single thorough bred colt of two years, ference. remain at Fair-View, Potter's Race Course, for a month to come.

This stallion is from the land of JoB, who, we have no doubt, was a good judge of horse flesh, and wrote under the inspiration of a grateful and generous attachment, when he pronounced on that no-

ble animal the much admired eulogy:

"Hast thou given the horse strength? Hast thou clothed his neck with thunder? Canst thou make him afraid as a grasshopper? The glory of his nostrils is terrible. He paweth in the valley, and rejoiceth in his strength. He goeth on to meet the armed men. He mocketh at fear, and is not affrighted: neither turneth he his back from the sword. The quiver rattleth against him, the glittering spear, and the shield. He swalloweth the ground it is the sound of the trumpet. He sayeth among the trumpets, ha! ha! and he smelleth the battle afar off, the thunder of the captains, and the shout-

Bussorah is not, we should think, fifteen hands but is of perfect symmetry, with marks of great

strength and activity.

Of the celebrated Godolphin Arabian, the source of the best English racing blood, we have in our library a portrait taken by Stubbs, and the following remarks by Lawrence, who says he was "in

reality a Barb."

"This Arabian was fifteen hands in height, of great substance, of the truest conformation for strength and action, bearing every indication of a real courser-a horse of the desart. His colour was entire brown bay, with mottles on the buttocks and erest, excepting a small streak of white upon the hinder heels. He was imported into France from some capital or royal stud in Barbary, whence it was suspected he was stolen, and said to have been foaled in 1724. So little was he valued in France, that he was actually employed in the drudgery of drawing a cart in the streets of Paris. Mr. Coke brought him over from France, and gave him to Williams, master of the St. James' Coffee mole, which delights to operate in the hills contain-House, who presented him to the Earl of Godolphin. During the years 1730 and 1731, the Arabian served in that noble Sportsman's stud as teaser to his stallion Hubsoblin, which horse retusing to cover Roxana; she was in consequence put to the Arabian, and produced a colt foal, the famous Lath the most elegant and beautiful, as well as the best truth, their staple commodity has been for a long races of his time. The mutual attachment between time so much depressed that it has depressed us to the Godolphin Arabian and a stable cat, is well think of it. A highly respectable and most judi-

We hope the farmers of Maryland are beginning

In our own state, two gentlemen in Cecil county were deemed extravagant for sending their mares had been offered \$500 for each colt, which they refused. We now happen to know that as to one of for Thursday next, at Brookland Wood, the seat of these colts, a gentleman farmer of Ohio would have R. Caton, Esq. been glad to have gotten him (now two years old,) for \$1000, if he could have done it, a few days since. And what was his object? Why, be it known to Pointer Pup for a good running Fox Hound. our Maryland readers, it was not for the pleasures, or the hazards of the turf; but to rear horses from large mires, for sale as carriage and saddle horses, in Baltimore and elsewhere in Maryland ! Hence we a price might be had equal to the tobacco product of a large farm.

HORTICULTURAL AND AGRICULTURAL SOCIETY OF JAMAICA.—A society, with the above title, has been established in Jamaica under very favourable auspices. The following gentlemen are among the officers of this institution: Patron, His Grace William, Duke of Manchester, &c.—President, Edward and superior value of thorough bred horses, a con-Nathaniel Bancroft, M. D., Fellow of the Royal stant reader of the American Farmer will thank College of Physicians, &c.-Vice Presidents, 110 nourable John Mais, Samuel Murphy, Esq -Trea- olio" in that paper, the pedigree of Tuckahoe, run-M. D. Honorary Members of the Council, The are affoat that one of the streams is not clear. Right Reverend the Lord Bishop of Jamaica-The Hun. William Anglin Scarlett, Chief Justice - The with fierceness and rage: neither believeth he that Hon. William Burge, Attorney General. George Manners, Esq. His Britannic Majesty's t'onsul, in Boston, and J. S. Skinner, of Baltimore, are elected Honorary Members to this Society.

> We understand that Doctor Muse of Dorchester county, has 30 acres of cotton, which has been visited lately by several gentlemen from the South, who all declare it to be not surpassed, if equalled, in their South Carolina climate. His cotton (wholly upland,) is, one third of it, five feet high; the re mainder from three to four feet, all heavily loaded with pods and flowers. He was to have a heavy gathering in a few days after the 6th instant, much being then ready. It is believed that he will have thirty thousand weight of seed cotton; yet the season is said to have been peculiarly unfavourable, and he is at least six weeks later in his crop, from the drought, than in common years he would be Not more than three acres of his ten of Palma Christi escaped destruction from the drought and mole. This little animal has been said to be peculiarly annoyed, and even expelled by this plant, But Doctor Muse can offer the testimony of all his neighbours, that it is singularly attractive of the ing it, and to feed on it, in all its stages of growth. The parcel preserved was fine, and nearly all ripe and sound on the 6th September, (inst.)

63-Our tobacco Planter friends are aware that we are not inattentive to their interest, but in very known. He died in 1753, the most successful as a cious Planter, one of the Electors from Prince For the largest crop of Seed Cotton,

the best opportunities of knowing, told us that he thought the prices worse than they had been at any time since the war. The best Prince Georges will not bring more than \$8.

83-Waverly butter sold readily in the market this morning at 372 cents per pound Peaches for 50 cents per peck, of common quality. Pears, the per pound. Watermelons, the best, for 10 cents.

£ For fear of mistake, and as this is the last paagain stated that the next meeting of the Trustees of the Maryland Agricultural Society is appointed

SFAN EXCHANGE PROPOSED .- A very handsome

Figs have been unusually fine this season. One was left on our table, last week, by Mr. A. Boyd, which measured seven inches in circum-

& WANTED-A small Farm, of about 75 or 100 acres, within seven miles of Baltimore, for a dairy farm. Inquire at the office of the American Farmer.

[COMMUNICATED.]

As people begin to understand the true qualities stant reader of the American Farmer will thank any gentleman who can supply for the "sporting surer, Robert Smith, Esq -Secretary, John Miller, ning back four generations on each side. Rumours

DORCHESTER COUNTY CATTLE SHOW AND FAIR.

The Dorchester Agricultural Society, will hold their 2d Cattle Show in Cambridge, on Thursday and Friday, the 9th and 10th November next, 1826; to commence each day at 8 o clock, A. M.

The first day will be allotted to the exhibition of Domestic Animals, Domestie Manufactures, Liquors, and Butter, as set forth below. In the afternoon, at 2 o'clock, an Auctioneer will dispose of, free of cost to the seller, any stock that may be for sale.

The second day will be devoted to the exhibition of Implements of Husbandry and the Ploughing Matches. At 9 o'clock the ploughing will commence. Lots of t-16th of an acre will be laid off.

At 1 o'clock, the reports will be read and the premiums distributed to the successful competitors. At S o'clock P. M. the sales will be renewed.

Premiums, in appropriate pieces of silver plate. CROPS.

For the best five contiguous acres of Wheat, to be not less than 30 bushels per acre, \$8 00 For the best five contiguous acres of Corn. to be not less than 50 bushels per acre, For the best five contiguous acres of Hay, to be not less than ten tons, For the best entire half acre of Potatoes, to be not less than 250 bushels per acre, 8 00 For the best acre of Carrots, not less than 8 00 400 bushels, For the best acre of Mangel Wurtzel, not less than 800 hushels, 8 00

Volunteered by a Member.

10 00

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HORSES.		-	p
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NEAT CATTLE.			d
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For the second best do		00	I
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For the best fatted Bullock,	5	00	r
SWINE.			t
For the best Boar over one year,	5	00	i
For the second best Boar under one year,		00	
For the best breeding Sow, litter of pigs to			I
accompany her,	5	00	1
accompany her, For the best Sow Pig under ten months old,	3	00	1
For the best Boar Pig do. do.	3	00	
For the fattest and heaviest Hog, live weight,	3	00	10
SHEEP.			1
wa at 1 . 20	5	00	ľ
For the second best Ram,	3		
For the second best Kam,	5		
For the best Ewe,	3		- 11
For the second pest Ewe,	J	UU	1
For the best lot of Wetners, not less than	6	00	
six in number,	U	00	1
DOMESTIC MANUFACTURES.			1
For the best bolt of Flannel, not less than ten			
yards,	4	00	ì
For the best piece of Kersey, not less than			
twenty yards, For the best Linsey, not less than ten yards,		00	- (
For the best Linsey, not less than ten yards,	4	00	1
For the best Carpeting, not less than twenty			.
yards,		00	- L
For the second best Carpeting,		-00	- 1
For the best Hearth Rug,		-00	
For the best Carpeting, not less than twenty yards, For the second best Carpeting, For the best Hearth Rug, For the second best do. For the best Counterpane, For the best Linen Sheeting, not less than	3	- ()(
For the best Counterpane,	4	00	,
For the best Linen Sheeting, not less than		00	<u> </u>
ten yards, For the second best Linen Diaper, for table	-4	U	, i
For the second best Linea Diaper, for table	٠,	0.	0
cloths, not less than ten yards,		0	
For the best towelling Linen Diaper, do.		0	
For the best pair knit Woollen Stockings,		: 0	
For the best pair knit Cotton do.	^	. 0	
IMPLEMENTS OF HUSBANDRY.			
For the best Agricultural Implement that may	7		
be considered new and worthy of patro-	-		
nage,	f	6 0	0
BUTTER.			
For the best fresh Butter, not less than 5 lbs.	_	1 0	o.
For the second best do. do. 5 lbs.	6	3 0	
For the best potted Butter, not less than three		, ,	_
months old, nor less than 10 lbs.	1	1 0	n
For the second best do. da.		3 0	
		,	
FERMENTED LIQUORS.	C		
For a sample of the best barrel of Cider o	ì	4 6	0
any age,	4	1 0	U
PLOUGHING MATCHES.			
For the best Plaughing by two horses,	(6 0	0
For the second best do. do		6 0 5 0	0
To each successful Pluughnian, \$3,		6 0	
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COMMERCIAL RECORD.			

COMMERCIAL RECORD.

"Liverpool. August 8.

"There has been a steady demand for cotton since time past. The prices of last week are fully sup-for 1826-Commercial Record.

ported, and some descriptions have a tendency to advance. The public sale of Sea Islands, was well atended, and as much or more sold than was generaly expected, and at prices nearly or quite equal to the mmediate preceding business by private, but at a decline of \(\frac{1}{2} \) to \(\frac{3}{2} \), on the last public sale. The sales by private from the 29th to the 4th inst. inclusive, amount to 13,120 bags, including of American, 518 Uplands; at 5½ to 7d. averaging 6 8-16d; 800 Oreans, 5 3-8 to 8 1-2; 3,210 Alabamas, 51 tu 7, and 140 Sea Islands .- There were offered at public sale, 1.545 bales Sea Islands, of which 892 were sold at 11 to 15 1-4d; 425 do stained, of which 347 sold at 5 to 8 1-2d. Of the above 500 bags were taken for export, and the same quantity on speculation.

On Saturday, and yesterday, there was a moderate business doing at steady prices and the sales estimated at 2,500 bags.—Import from the 29th to 4th

instant, 12,283 bags

To-day, up to I P. M. there has been but a very moderate inquiry for cotton, and more offering in the market.

The import of cotton this year, up to the 1st inst from the U. States, into the principal ports, has been 289,476 bales, viz. from N. Orleans, 67,049; Sayannah 76,884; Charleston, 70,842; other ports, 58,582. The total import from the United States in the whole of 1825, was 283,666 bales, being 5,810 bales less than in the first seven months of 1826. The imports this year from other parts, have been, from Portugal and Brazil, 80.642; East Indies, 53.664 West Indies, &c. 8,635; Mediterranean, 32,617. In the year 1825, the import from those parts, were as follows, Portugal & Brazil, 119.645; East Indies 36,363; West Indics, &c. 16,587; Mediterranean 59,223. Total, 231,817, or 106,260 more than in the first seven months of 1826.

Total import in the year 1825, 515,484. Do. in first seven months of 1826, . . 415,034.

Extracts from letters of Aug. 9.

"The John Wells being detained, we may now state our cotton market keeps steady, and there is fair demand to day. The accounts from Manches ter of yesterday's market, are rather more favoura ble. There was but little done in yarns, but for goods there was a fair demand.

London, August 5.

The sales of cotton this week, have been about 3,500 bags, chiefly Surats at 41 to 51, nearly tl whole for export.

The purchasers of Tobacco are incunsiderable but there are renewed inquiries, particularly for th N. of Europe. About 100 hlds. Va. were bough

yesterday at 31 to 31.

A letter from Liverpool of the 8th, says, "or latest accounts from Manchester are rather less un favourable. The yarn market is quiet, and no ac vance has been realized, but there is a trilling as vance in some descriptions of goods." Our Londo letters state "there seems a general impression gradual improvement. The weather is very fine for the harvest, and the corn market is very dull."

Of 12,000 bales imported at Liverpool the wee ending August 5th, 6,000 were from Egypt.

CONTENTS OF THIS NUMBER.

Art of Breeding, Mr. Powel's queries answered Mr. John Barney, of Delaware, on Breeding closely on Mixing Distinct Races, on the Combination of sev ral Varieties in one Breed—On Yolk, as an indication of the fineness of Wool, by Columella—The Accoma or Magothy Bay Bean—Hints on the Manufacture Currant Wine—On Gardening—Chesapeake and Oh Canal- On Expensive Living—The Tomb of Woman-Climate, Soil, Productions, &c. of Pensacola-Chill cothe Twin Calves-Items from English papers-Lor onr report of the 29th ult. Dealers and spinners Island Races—Trotting Matches—Leaping—Pedestri-have purchased rather freely, and shew more confi-dence in an improvement of the trade than for some Editorial—Dorehester Agricultural Society's premiums

PRICES CURRENT.

.	TATOES O			_ ,		
- 1	ADDICTES		WHOLI	SALE.	RET	AlL.
u	ARTICLES.	per.	from	to	from	to
1	DUCK O IC	111			*****	,
-	BEEF, Baltimore Prime,	bbl.	8 00			
6	BACON, and Hanis,	lb.	5	8	9	12
	BEES-WAX, Am. yellow	-	30	31		50
3	COFFEE, Java,	- 1	163	17	20	22
- 1	Havana,	-	15	161		20
1	COTTON, Louisiana, &c.	- 1	1.1	13		
1	Georgia Upland,	—	10	12		
,	COTTON YARN, No. 10,		30			
t	An advance of 1 cent	_				
t	each number to No. 18.					
r	CANDLES, Mould,		121	14	16	18
١.		_	11	•		14
1	Dipt,		81	91/2	12	15
-			30	V 2	37	10
-	FEATHERS, Live,	1551			31	
3	FISH, Herrings, Sus.	pp1.	2 371		1	
	Shad, trimmed,		5 50	6 00		
,,	FLAXSEED, Rough,	bush		80	- 0-	
y	FLOUR, Superfine, city,	bbl.			5 25	6 00
n	Fine,	-	4 25			
	Susquehanna, superfi.	—	4 00			
ι.	GUNPOWDER, Balti	25 lb			5 50	
n	GRAIN, Ind. corn, yellow	bush	60			
_	white	-	65	68		
	Wheat, Family Flour,		85	95		
	do. Lawler, & Red, new	-	75	82		
e	do. Red, Susque	_	80	83		
s	Pue		55	60		
-	Rye,		80	1 00		
n	Barley,	hank		. 00	5 00	
	Clover Seed, Red	bush	4		3 00	
١;	Ruta Baga Seed,	lb.	1 00		0 50	
n	Orchard Grass Seed,	bush		ĺ	2 50	scarce
8	Mangel Wurtzel Seed,	1 —	1 25		1 50	
δ,	Timothy Seed,	1 —	8 00	1	3 50	
	Oats,	I —	40			
l,	Beans, White,	! —) 50	1 70	1 87	
n	HEMP, Russia, clean, .	ton	215	}	1	
	Do. Country	 	120	130		
	HOPS, 1st sort,	1b.	12		25	
	HOGS' LARD,	-	7	10	12	
		1b.	1 -			
	LEAD, Pig	10.	7.5			
	Bar	1	29			
	LEATHER, Soal, best,				1	
W	MOLASSES, sugar-house	gal.	30	1	371	
a	Havana, 1st qual	117	1		9	
s-		lb.	6			
a-	NAVAL STORES, Tar,	bhl		1 625	-	
or	Pitch,	 -	2		1	
•	Turpentine, Soft,	1 -	1 75	1		
	OIL, Whale, common, .	gal	27		40	_
	Spermaceti, winter .	-	70		88	
ut		bb1	11 00	11 50)	
ıe		-	8 50)		
	PLASTER, cargo price,	ton	1 . 41)		
		bbl				
e.		1.3			3 5	
ıe	SOAP Rollimore White	, lh.			. 40	20
ht	Brown and valley	,	5			
	Brown and yellow	gal			2) ~ .	
ur	WHISKEY, 1st proof, .			ŧ		, 00
	I K LIZE VALLE DECISION E 1 TO P	r -	3		50	
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SKINNER, Editor, by John D. Toy, corner of Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

ON THE MANURE OF LAND.

Occasioned by some agricultural speculations of Professor Mitchell, of North Carolina.

Sir Humphrey Davy so beautifully illustrates this subject, that I cannot forbear commencing my ob-rility, unless some vegetable of vigorous growth, prehend to be the cause of the wretched condition servations on the Professor's speculations, by quoting the words of Sir Humphrey.

The doctrine of the proper application of mation of an important part of the economy of nature, and of the happy order in which it is arranged.

to resolve organized forms into chemical constitu-still greater desiderata. ents; and the pernicious effluvia disengaged in the process, seem to point out the propriety of burying for its objects all those changes in the arrangements the food of vegetables. The fermentation and putrefaction of organized substances in the free at-duce as food: the constitution of soils: the manner and injure the health, if exposed, is converted by and to the practical farmer. To the first, they are the Carolinas in 1826.

Let us now preceed to Professor Mitchell:

"The proper management of the manure collected in his farm yard, is an important item in the du ties of an agriculturist"

This is a fact quite undisputed.

the growth of grass than more northern latitudes."

ture, have been given to supply its place.

They may not attain the gigantic size and Lam-chemistry." bert like weight of the British cattle; but it is a lact the sun.

planter to raise the ox and to discover vegetables on which he may subsist."

course the more ample the recompense.

the quantity of manure is much reduced."

This is correct, if for manure Providence had lithe first, are what Junius would call "false facts."

that "the mode of supplying the deficiency of animal manure," namely, that of increasing "the num- and extended and perfected by ingennity. ber of cattle," is not "generally understood."

This "intelligent" traveller confines the Professor's views by not "attributing it to any imperfec tion in the agriculture of France, but to the climate'

—in fact, to nature "herself."

But "France has no reason to complain of the allotments of heaven." Here Professor M. is correct. All that she has to complain of is, her inapti tude to improvement; arising, by the bye, from the simplicity of life evident in the character of her He settled Purysburgh, on the Savanuah. peasantry.

of reclaiming the old fields of our ancestors, and of absorbing it." course that "they are to be condemned like the Here I have reached the period of my book learn-Deserts of Arabia to everlusting barrenness and ste-ing. I may now be permitted to state what I ap during the heat of summer; and, in the fall, shall cially in the Southern, states, furnish a large body of vegetable matter to be nurcs from organized substances, offers an illustra- ploughed in for the enrichment of the soil," shall every planter of the Southern states in the words of

"The death and decay of animal substances tend to be a desideratum; but humbly contend there are

"Agricultural chemistry," said Sir H. Davy, "has them in the soil, where they are fitted to become of matter connected with the growth and nourishmosphere, are noxious processes; beneath the sur- in which lands are enriched by manure or rendered face of the ground they are salutary operations. In fettle by the different processes of cultivation. In- then thou mayst boldly require service at their hands," this case the food of plants is prepared where it can quries of such a nature cannot but be interesting be used; and that which would offend the senses and important, both to the theoretical agriculturist actual processes into forms of heavity and of useful-necessary in supplying most of the fundamental ness. The fætid gas is rendered a constituent of principles on which the theory of the art depends, the aroma of the flower, and what might be poison. To the second, they are useful in affording simple freely used, and, as soon as the soil has been exbecomes nourishment to man and to animals."

The first great error has been in the quantity of land taken into cultivation. The axe has been exbecomes nourishment to man and to animals."

The first great error has been in the quantity of land taken into cultivation. The axe has been exbecomes nourishment to man and to animals." for enabling him to pursue a certain and systematic to waste; and, if in a hilly situation, to become useplat of improvement."

It I may be permitted to give an opinion, I would say, that such ideas were more consonant with the abandonment of every means offered by the system rank of a newly erected Professor's chair, than a "Southern climates offer greater impediments to broad declaration, that the agriculture of a state de- the forest peids on the discovery of a vegetable "to furnish a This is a fact as to grass; but it is a query (al- large body of matter to be, ploughed in for the en- and sufficient for a rest every two years, and there though none with me.) whether there are not other richment of the soil." For, to confirm my opinion will be not only little exhaustion, but the land will, large body of matter to be, ploughed in for the enthings which, in the bounteous disposition of na- by that of Sir H Davy, it may be observed, that it under such care, become nearly equal to new land. is scarcely possible to enter upon "any investigation "The climate is less favourable to the growth of in agriculture without finding it connected, more or of the whole country; for it will invariably be found

Nor, can what I apprehend to be an irrevocable that there is no sweeter or better tasted meat under law of nature, namely, that her processes never ex- allowancing gentry and the great calculators, who, "The climate renders it less an object with the almost (I was going to say,) to infinity, by an ap- quantity of grit their chickens consume, have all plication of the ordinary means of human industry, gone backward and into debt; while those who know I should suppose the object to be greater, mast ture, amoust an new changes, as the production and multipliperty.

much as there certainly is so much wanted; and the her resources towards the production and multipliperty.

To what may be ascribed the superior wealth of cation of life; and in the wise and grand economy.

To what may be ascribed the superior wealth of Caron "Finally, the winters are so much shorter that injurious to the hopes and destructive to the comforts lina? Its immense provision trade; in short, its more exalted state of his powers and his condition. perty, and this in its turn producing a wholesome, mited us to the mere excrement of the animal; but, His industry is awakened, his activity is kept alive, active and useful population. that not being the case, all these assertions, except even by the defects of climates and seasons By the As to manure, as long as t An "intelligent" American has discovered the to exert his talen's, to look farther into futurity, name an estate, that hauls out 1500 to 2000 large "glaring imperfection of French agriculture," to be and to consider the vegetable kingdom, not as a se- wagon loads from its cow yard, constructed for the a "deficiency of manure;" that "the number of cat- cure and unalterable inheritance, spontaneously purpose, in the course of a season. This estate has tle are not equal to its (the kingdom's) wants;" and, providing for his wants; but as a doubtful and inse-not for years planted an acre of new land. It is cure possession, to be preserved only by labour, now better than ever.

> Has the Professor never heard of the theory of Captain Pury, who, in a memoir addressed, thought to be in a state of bankruptcy, by a caufirst to Louis XV. or the Regent, and afterwards tious adherence to an improved system. to George II., endeavoured to, and, in my humble opinion, did, establish it as a fact, that this very of a plant to cover the ground, and thus having a State (the means of increasing the products of which "rotation without fallow," is not unsanctioned. It State (the means of increasing the products of which and adding to the value of the soil, are now in discussion,) is within the favoured belt of the habita- Manures," by a Practical Agriculturist-Philad. ble globe which unites the advantages of the whole?

"North Carolina," adds the Professor, "has a soil rect in his scheme of "covering the soil?" "The and climate favourable to the production of Indian action of the sun," said Sir H. Davy, "upon the corn, wheat, tobacco, cotton and rice;" and, for her surface of the soil, tends to disengage the gaseous cultivation.—Treatise, p. 25.

to expect to raise cattle to compare with those of and the volatile fluid matters that it contains; and northern latitudes and cooler climates, is to expect heat increases the rapidity of fermentation; and in "an incompatible blessing;" and, his grand and the summer fallow, nourishment is rapidly produced, very strange conclusion is, that there are no means at a time when no vegetables are present capable of

which shall cover our fields from the burning sun of the soil generally in the United, but more espe-

I will commence by saving, that I would address be discovered. And, this is "the great desideratum." the great Lord Burleigh to his son: "Live not in Now, with all due deference, I acknowledge this the country without corn and cattle about thee. For the country without eorn and cattle about thee. For he that putteth his hand to his pocket for every expense of household, is like him that putteth water into a seive. And what provision thou shalt want, learn to buy it at the best stand. For there is one penny saved in four betwixt buying in thy need and when the markets and season serve fittest for it. Keep rather two servants too few than one too many. Feed them well and pay them with the most; and

This is advice which, although given in the reign of Elizabeth, is applicable to the actual planter of

less, owing to the washing of the rains.

The consequence has been a scarcity of corn and of soiling, partially or generally, and the leaves of

Let the planters keep their idle land enclosed,

In fact, the starvation system has been the ruin less, with doctrines or elucidations derived from that wherever planters have bought corn, they have

gone backward- and vice versa.

I could quote many examples to prove that the haust a soil, or deny the means of reproduction, as I have heard, calculate so closely, as to know the be forgotten; for in the words of Sir H. Davy, "na- not what it is to have a lock on their corn cribs, ture, amidst all her changes, is continually directing have uniformly advanced and increased their pro-

of the whole system, even the agents that appear North Carolina, when compared with South Caroof man, are in fact ultimately connected with a abundance and the consequent division of its pro-

As to manure, as long as the forest tree produces accidents which interfere with his efforts, he is made leaves there will be abundance. I think I could

As to the cultivation of old fields, I could procure other proofs, in the fortunate results to estates

As to fallows, I would observe the Professor's idea will be found at large in a "Treatise on Soils and 1821. Ralph Robinson, (in fact, George III.,) in 1790, thus closes one of his letters: "Thus his (Mr. But, chemically speaking, is the Professor car- Ducket's,) land, although never dormant, is con-

No. 28. -vol. 8.

As to the soiling system, to which abundance is only necessary, it would be useless to say one word on the subject, except to call the attention of Professor Mitchell to this important branch of agriculture.

But, to recur to his idea of "covering the ground," I would observe, that the cow pea was long since termed by an old Englishman (who settled in this country before the revolution, and whose industry and intelligence were equal to his honour and his honesty,) the clover of Carolina. There it may be used in all ways, and in each it is highly useful, whether it is fed in the field, whether the pod is gathered, or whether it is all brought in for winter fodder.

The Professor will, I hope, excuse me for the They have frankness of these animadversions. been rendered necessary by his total silence on the great and real causes of our complaints-idleness, and such a forgetfulness of the change of times, as would enable an old farmer of the times of Queen Anne fully to recognize the system of his own days, in those of 1826; the same system when land is sold for twenty dollars, and when it was to be had for the expense of survey!

Bitter experience will teach the good people of this country that Lord Burleigh's advice is good, and should be attended to.

But, now that I have said all I wished, and more than I intended to say, I will conclude by expressing a regret that all will be in vain, while there is such a spirit in our youth to overload the profes-sions of law and physic as there is at present. These create such an overflow as to crush the hopes and darken the prospects of nine out of ten young men; for more than a tythe can never hope for success in either of these professions. And to physic and law may be added commerce, the ranks of Resolved, That application be made to the which are also so crowded-so crowded as that the people of the United States only "present the spectacle of a vast assemblage of jealous rivals, all eagerly rushing to the seaboard, jostling each other in their way, to burry off to the glutted foreign markets the perishable produce of their labour; "8" and, at the instant when, owing to the want of communication, some parts of the country are actually suffering for what is thus going abroad to these very gutted markets. AMPHICON.

P. S. As to the impossibility of having good cattle in either North or South Carolina, the Professor To the person who has made the most peris very incorrect. Fine, large, prime milk-giving cattle are to be found in Mecklenburg and Rowan. and sell at 60, 70 and \$80. There is a very excellent stock in the vicinities of Columbia and Statesburg, stock that would not disgrace, but grace any farm yard in England. To the increase of the breed, the country is indebted to the liberality of some of the proprietors; while on the other hand, in other places, they are so selfish as to do every thing to make it a monopoly, by asking such prices as to preclude the purchase by lesser farmers; of course, exclude the country from the benefits of their stack. The western parts of Virginia, North Carolina, and Tennessee, are much indebted to Secretary Clay for an improvement of the stock of his neighbours.

AGRICULTURAL SOCIETY OF THE VAL-LEY.

Premiums for the next Fair.

s	nication	from	E.	Ruffin.	Esq	was	received	I. and
1	nication the com	munica	ation	from	Mr.	Ruffin	ordered	to be
	printed.							

The following scheme of Premiums for the Fa to be held the ensuing fall, was offered and adopte CROPS.

ŀ	For the best ten acres of Wheat, \$	15
		10
	For the best two acres of Wheat,	5
i	73	12
	For the second best do. do	7
	For the best ten acres of Oats,	5
	For the best acre of Potatoes,	10
	For the best half acre of do	5
	For the best ten acres of Barley, to be offer-	
	ed at the fall meeting of 1827,	5
	For the best acre of Turnips,	5
	Tor the test acre of Turnips,	- 2
ì	For the best & acre of Hemp. 5 lbs. of which,	
	dressed, are to be exhibited as a sample,	5
ı	For the best half acre of Flax,	9
		^
	For the best specimen of Hemp, dressed by	
	a machine located in one of the coun-	
	ties of Frederick, Berkeley, Jefferson,	
•	Hampshire, Hardy, or Shenandoah-	
ľ	quantity exhibited not less than 50 lbs.,	
,	a premium of	10
	a promidition	A (

FARMS.

To the owner or cultivator of the best organized and improved Farm, (of at least 50 acres in cultivation,) considered in relation to, 1st. farm buildings; 2d, yards and manures; 3d fences and general divisions; 4th. orchard and garden fruit; 5th. live stock; 6th. implements of hus-

society at its next meeting, to offer to the person who shall have made the best average crop the present year, from a farm of not less than 50 acres, having reference to the labour employed and the state of the land when it came into possession, a premium of Report to be made, and the premium to be awarded at the next March meet-

FENCES.

manent fencing during the present year. taking into consideration the number of hands employed, . .

ANIMALS.

ome of the proprietors; while on the liberality of one of the proprietors; while on the other hand, a other places, they are so selfish as to do every ling to make it a monopoly, by asking such prices to preclude the purchase by lesser farmers; of ourse, exclude the country from the benefits of	Valley during the present season, For the best stallion, calculated for the draught, kept in the Valley during the present season, For the best Colt under four years old, raised in the Valley, without ragged to say
peir stack. The western parts of Virginia, North	For the best broad Mare,
arolina, and Tennessee, are much indebted to Se-	For the second best do
retary Clay for an improvement of the stock of	For the best riding Horse raised in the Val-
is neighbours.	ley,
	For the best Bull over one year old, .
GRICULTURAL SOCIETY OF THE VAL-	For the second best do
LEY.	For the best bull Calf under one year old,
_	For the best yoke of Oxen,
Premiums for the next Fair.	For the second best do. :
At a meeting of the Trustees of the Agricultural	For the boot Mileh Com
oriety of the Valley, held at the residence of Wm.	For the second best do
1. Barton, Esq., on Monday, 29th of May, 1826-	Idan Ababa Abaa Abaa Affaa
resent, William M. Barton, John W. Page, Isaac	Then the heat let a Come Chairm
Iollingsworth, Joseph Kean, Joseph Hackney, Wm.	Tot the best for or five bricep,
mith, David Bryarly, Seth Mason, John W. Bay.	Tor the best Ram,
ss, and Alexander S. Tidball.	For the best Heifer,
A letter from Wm. B. Page, enclosing a commu-	For the best Mule under two years,
	For the exhibition of a Cow of the improved
Now July 1896 for instance four at New Orleans	short borned breed to be retained in

short horned breed, to be retained in

the Valley, .

nd!	NI A NYTTY . COMPANY	-	==
be	MARKET ACTURES.		
	of a yard wide,	5	00
411°	of a yard wide, For the best ten do. do. \$ do.	5	
u.	For the second best do	5	00
	For the second best do. For the best ten yards of Flannel, For the second best	5	00
	i or the steeling best	2	50
nn'	For the best twenty yards of Corneting	10	
00	For the second best do. do.	5	
50	For the best pair of Blankets.		00
50	For the second best do. For the best pair of Blankets, For the second best do.		00
00	For the best ten yards of bleached linen	-	00
00	either of flax or hemp.	5	00
00	r or the second best do.	4	00.
	For the best ten yards of table Diaper,		00
00	For the second best do		00
00	For the best straw or grass bonnet,		50
•	For the best Hearth Rug,		00
oo	For the second best do.		50
50	For the best ten pounds of Butter,		50
50	For the best twenty pounds of Cheese, .		50
	For the best ten yards of Linsey,		00
	For the best fifteen yards of Cassinct,		
-		5 t	00
	For the best pair of flax or hemp do.		90
00	_		WU
00	PLOUGHS AND PLOUGHMEN.		
	For the best barshear Plough, to be tried on		
	the second day of the fair,	10	00
	To the person who shall be considered the		
	best Ploughman,	2	50
	Ordered, That there shall be a premium	of s	\$10
	awarded to the norman subs shall attend the		

awarded to the person who shall attend the fair clad in the best suit of domestic manufacture, the raw material of which has been raised and spun in 25 00 his own family, with the exception of such cotton yarn as may be used in the fabrick.

Ordered, That there be placed in the hands of the committee on manufactures, for discretionary premiums, the sum of \$25.

Ordered, That all woollen goods offered for competition, be manufactured of wool grown in the

30 00 Ordered, That no article shall receive a premium. which has not been manufactured in some county furnishing a member of this society

Test, A. S. TIDBALL, Sec'ry.

PROSPECT OF CROPS.

SIR, Sarannah, Geo., Sept. 12, 1826.

"The rice crops on our river are very good; we 15 00 are in the midst of harvest, which has been much put back by frequent showers. The cotton crops will be good, should the caterpillar keep off; a few are seen in various places, but they do not spread."

HORTICULTURE.

MANUFACTURE OF SILK IN MISSOURI.

10 00 J. S. SKINNER, Esq. St. Charles, Mis. Aug., 28, 1826. Sir,-As the culture of silk has become a subject

of considerable importance in the United States, 2 50 permit me to give you for the Farmer, the result of 5 00 a little essay made in this place by Dr. Seth Milling-2 50 ton, an enterprising practical farmer, but before to-

00 tally inexperienced in this particular business. A Mr. Atkinson, of Philadelphia, came here last 00 winter with a view of establishing himself in the 5 00 culture of silk, vines, &c; but not meeting sufficient 2 50 encouragement, or for some other cause, he did not 50 attempt it, but left with Dr. Millington about 130 5 00 eggs for silk worms, which, when hatched, repro-5 00 duced about 20,000 more; about 1000 of these also 5 00 hatched and reproduced an incalculable number, 00 say 200,000; and of these also about 300 hatched,

which are now finely advanced and eating heartily, and the Doctor has no doubt but fine crops or gene-\$10 00 rations can be produced and perfected in one season,

^{*} Now, July, 1826, for instance, flour at New Orleans, \$2-in Charleston, \$1.50-Columbia, 9 to \$10.

although this was not favourable, (the weather that our imports of silk goods alone should exceed tensively,) for some years in succession, should being cold and changeable for our climate;) yet had by half a million of dollars all our exports of flour state its comparative profit with that of other obhe expected these new and multiplied generations, and bread stuffs. We make no apology to our subhe expected these new and multiplied generations, and bread stails. We have no apology to our subhe could have expedited their production and have
can Farmer. There is no pride so narrow as that
the first eggs hatched in the spring before he was
which leads the Editors of public journals to prefer
with the view to the production of silk, and that aware of it or expected them to do so; and they in all cases original to selected matter. The great premium will be announced in their next list. have each time since taken him rather by surprise object of the public communication and diffusion than otherwise. So that he thinks that with a fair of knowledge is thus defeated. exposure, careful attention, and common seasons, there will be no doubt of this result.

or forming their eocoons

berry, which is indigenous and plentitul all over our are about to publish. country, supplied their place, and the worms ap-

to know if they are as good.

Farmer, or otherwise, to obtain information from or proper method of preventing or expediting the against raising it for the production of wine. hatching of eggs when desirable.

Sincerely, your friend, STEPHEN HEMPSTEAD, Jr.

SILK AND WINE.

(The question is one of primary importance, how far labour and capital may be employed in this country to advantage, in the production of silk and

On all questions that require research, a knowledge of climate, of trade, of the products of foreign countries, of supply, demand, and capacity to produce-in short, an extensive knowledge of facts, and a judicious application of that knowledge to the condition and prospects of our own country, gestions:]

THE PRODUCTION OF SILK AND WINE IN THE UNI- of \$40,000 a year. TED STATES.

The following articles* must be interesting to all the citizens of the United States. They propose the introduction of new objects of industry; and although they may not be as successfully cultivated in New England as in the warmer and more favoured climates of the Southern states, yet they cannot fail of being interesting topics to us, as citizens of the United States.

It is indeed-a most unexpected view of the case,

The American Farmer, (we say it with deep rethe worms were from twenty two to twenty-farmers of New England. This does not arise We have eight days feeding, when they commenced spinning from any local prejudices, but from the character or forming their eocoons. They remained from and condition of our population. Our farmers are that the United States would raise its own silk at twelve to sixteen days in them, and deposited all compared with those of the Southern states in narrow no distant day. It only remains to be seen whether their eggs within three days after they came out circumstances. They are not able to devote either we can raise it to more advantage than to import millers; and these eggs, or a part of them, hatched the time or the money which the extensive planters it, which can never be ascertained before a fair from five to ten days afterwards; and if precaution of the south can afford to do, to reading and re-trial shall have been made. Accident, the revocahad not have been taken to keep the eggs in a very search. In proportion to their ability our yeomaucool place, the whole severally would have hatched ry do full as much, and feel a zeal quite as strong nufacture of silk into Great Britain, where it has within this time. Doctor M. took one hundred of to cultivate their minds, but they are restricted by flourished to as great an extent as in Italy. Yet the smallest ecocoons, (understanding the largest their means. It is our duty, therefore, to give the Great Britain imports nearly the whole of the raw were occupied by females, which he wished to pre-circulation which our journal affords to the inforserve,) and gave them to his sister, (Mrs. French.) mation, and valuable suggestions which are found who, from his imperfect instruction, both being per-fect novices in the process, recled them off in less Farmer. To this course there is to be sure one obthan one hour, and made twenty skeins of sewing jection, which is, that some of our readers here, silk of it-the sample enclosed b ing a part, and and all in the Southern states, though they are all of it of the same quantity and quality.

Doctor M. has procured from Prince's nursery, same articles; but this is not an evil to be compared few, are exposed to the vexatious repetition of the Flushing, L. I., some of the white mulberry; but with that of the withholding such articles from our they are too small for him to feed his worms wholly subscribers Three-fourths of the readers of this J. S. Skinner, Esq., upon their leaves this season. But the black mul- journal would never see in any other way what we

peared equally as fond of their leaves as of those convinced, that it can never be the interest of the common and local appellations of wild indigo-inof the white; but he had not sufficient experience farmer of New England to raise the vine, either digo weed-broom-horse fly weed; and, in Doctor Doctor M. wishes, through the medium of the and the manufacturing of brandy. As strong reasons is an article that belongs to the materia atimentaria, armer, or otherwise, to obtain information from exist against the cultivation of the vine for the puras well as to the materia medica, in which respect it persons more experienced than himself, of the best pose of converting its products into brandy, as does not differ, from almost every one of our escu-

> The great objection to its culture for wine is the defect is so great in our climate, that cultivators are orders, or families of Papilionacea of Linnaus, and obliged to add a quantity of sugar to the must, or Legieminosa of Jussieu expressed juice, to give it sufficient body And The sophoria tinctoria is little inferior, as an arthis defect would be still more sensibly felt in conticle of vegetable diet, to the phytolacca decaudria, countries, and that our labour and capital will be of Jussieu. thus more profitably employed.

very different one. We can raise silk, and we can the spring of the year. It is supposed that they are raise it as easily as it can be produced in China or apt to operate by increasing the frequency of the Italy. The white mulberry, the favourite food of alvine evacuations, and, that this circumstance the silk worm, thrives in Massachusetts as well as should be alleged as an objection to their use. This we are accustomed to look with great confidence to it does in any part of the world. The chrysalis or is, however, an occurrence which is more rare than the editorial department of the Massachusetts Agricultural Repository and Journal. In No. 1, of the this not a question of doubt; it has been settled by candria, or poke. The most approved and palatable 9th vol. of that work, we find the following sug- experience. It has been asserted that the inha- way of serving up the tender shoots of the tinctoria, bitants of Mansfield now raise silk to the amount consists in their being hoiled in water for about fif-

The power to produce silk in Massachusetts, he portion of butter should be added therefore, is ascertained; the only question is as to unfounded is the opinion, which has been adits comparative profit. That one town should be vanced, in relation to their being apt to operate on able to raise it to the amount of \$40,000 a year, the bowels: for, were we to judge of their subsewould seem to go very far towards proving its pro | quent effects in this way, from the general medical fitableness. The inhabitants of that town can have operation of the plant, in the advanced state of its no fear as to a disclosure of the facts; they can maturity, when its virtues become entirely altered, have no reasonable motive for concealing them; no such conclusion would be drawn with any degree they have no monopoly; and an increase of Ameri- of propriety. can production of silk would rather aid than injure Singular is it, that our native vegetable esculentia them by inducing the government to protect and have not attracted more of the attentive regard and ture of Silk and Brandy," and "Memorial to the ho-them by inducing the government to protect and have not attracted more of the attentive regard and nourable the President and Members of the Senate of encourage it. It would be desirable that some per-consideration of the lovers of good eating, in con-

We shall also, if we have time, insert in this journal full notices as to the best mode of raising the mulberry, and the care and management of the

We have never placed the culture of silk among material. There is no doubt that we can do better.

ON THE SOPHORIA TINCTORIA, OR WILD INDIGO.

By William Zollickoffer, M. D., corresponding member of the Medico-Botanical Society of London, S.c. S.c. S.c.

Westminster, Md., Aug. 8, 1826.

The article which is the subject of the present communication is the Podalyria Tinctoria of the We would remark, that we still remain firmly distinguished Michaux. It is recognized, by the for the purpose of making wine or for distillation Cutler's catalogue, by the name of Indigofera. It lent indigenous vegetable productions.

The Sophoria Tinctoria ranks in the class Decandeficiency of sugar, or saccharme matter. This dria, in the order Monogynia, and, in the natural

verting it into brandy. On the whole, we are per- (commonly called Poke,) which belongs to the class suaded, that we had better exchange our own na- decandria, the order decagynia, and the natural fatural products for the wines and brandies of other milies of miscellaneae of Linnaus, and attriptices,

Delicious, indeed, are the young shoots of this But the question as to the production of silk is a plant, which emanate from the earth's surface, in teen minutes, adding to the water, previous to its Mr. Clark, of Northampton, thirty years since, chullition, a small portion of table salt; after which, raised the silk worm with complete success. Mr. they are to be removed from the vessel in which Holcomb, of Sterling, has been equally successful. they have been boiled, when the addition of a suita-

son who has raised silk extensively, or (if not ex-l junction with the cultivators of the articles belong-

^{[*} See American Farmer, vol. 7, p. 329, for the articles alluded to, under the heads of "Domestic Mat ufacthe State of South Carolina."-ED. AM. FARM.]

ing of particular notice, on the account of their not do." only being delicious, but nutritive.

GENERIC CHARACTER.

Sophoria .- Calix five toothed, gibbous above; corolla papilionaceous, with the wings of the same length with the standard: legume.

SPECIFIC CHARACTER.

Sophoria Tinctoria - Cautis, or stalk, grows to from one to two and a half feet, from which a considerable number of branches emanate. The leaves, small branches proceed.

and, inasmuch as the result of an investigation of the external air of their dwelling. In my excur more than a certain degree of that kind of information which could not afford any light to the horticultorist, in attempting its successful cultivation,

count.

Fortuitous, not unfrequently, are the circumstances that have given rise to the introduction of many of the articles belonging to the kitchen gar den, as well as those which have been introduced into the list of remedial substances; and if every individual who feels interested in the increased ac cumulation of nutritious vegetables to our present shades and shrubbery, and flower pots at the winlist, would only take the pains to make a few trials dow-I feel assured that this is the abode of refineof such as may occasionally be stated to them as ment; this is the home of quiet and rational enjoybeing alimentary in their nature, we should in a ment, of intelligence and kindly intercourse. short time have a goodly number added to the present catalogue.

The economical, or domestic uses of the sophoria linctoria, it would be unnecessary to notice, as they have, in some measure, been taken into consideration in a recent number of your very useful and in-

teresting "Farmer."

SILK WORMS.

Mr. Editor,-The culture of the silk worm having lately been agitated to a considerable degree, and being likely soon to become an important branch of industry in this country, I consider it the duty of every one possessing information in any way relating to it, to lay it immediately before the publick Under this impression, I take the liberty of sending you the following extract from a Philadelphia paper, hoping it may be found useful to those interested in raising the worm.

At the same time I would remark, that at the date of the publication of this extract the culture of silk had become so extensive, that a company was instituted, under the title of "The Filature," which purchased coroons at from three to five shillings surrency per pound. The subsequent troubles with England, in all probability, put a stop to this concern.

"Philadelphia, June 9, 1772.

after the third moulting, and when they were almost ly symptoms among us, and they began to die fast; and planted merely from curiosity or ornament after the above method. The foregoing is certified but, merely by accident in one of the instances, and seems to unite us to the nations from whence it from experience.

BENJ. WALDRON.

from design in the other, oak know were laid in their comes. It bestows on us a share of the blessings New York, Sept. 15, 1820.

ing to the kitchen garden; for there are many pro way, which they devoured greedily, gained health of other climates, and affords us a portion of the ductions of this kind, that are undoubtedly deserv and vigour, and spun as well as any worms could smiles of a more genial sun. When, therefore, we Nat. Gazette.

RURAL ECONOMY.

RURAL TASTE.

I regard the man who surrounds his dwelling with objects of rural taste, or who even plants a single shade-tree by the road side, as a publick benefactor, not merely because he adds something to the general beauty of the country, and to the pleawhich are small, are ternate, inversely heart shaped sure of those who travel through it, but because. and sessile. In the month of August, the flowers, also, he contributes something to the refinement of which are of a yellowish colour, exhibit themselves the general mind: he improves the taste, especially on almost every branch. The root, which is irregular shaped, is woody and rough, displaying a brown colour externally. From this numerous small branches proceed. Various avocations have prevented me from en- rudeness of manners. One may judge, with confitering into a chemical examination of this plant; dence, of the taste and intelligence of a family by this kind, would not be productive of any thing sions in the country, if I pass a habitation, however spaceous, standing naked to the sun, with nothing ornamental, nothing inviting around it, I cannot help saying to myself, however abundant may be I have deemed it unnecessary to defer the commu- the slovenly possessions of its owner, there is no niration of its esculent virtues to you on this ac-refinement in that house; there is no delicate and kindly interchange of sentiment among its inmates. and if ever they are sociable, their sociableness consists in rude and fitful loquacity. Their books are few, and those ill chosen and unread. But if I notice a dwelling, however humble, which is apparently as snug as its owner has means to make it. displaying neatness and taste in its fences, and

[Christian Spectator.

[How many are prevented, by a selfish indolence, from planting either fruit or ornamental trees, because either they are altogether too lazy, or they ap prehend that they may not live to enjoy their fruit or to repose under their shade! How contracted are the views of such people. What would be the state of society if all were to act on this principle? Haptrees, which were made after he had passed his six tieth year. We could mention another gentleman, from the twig." a merchant of this city, not younger than the farmer to whom we have alluded, who very lately

dwell on the beauty of exotic trees and shrubs, we wish to be understood as expressing our gratitude to those who have enriched our land with additional charms, and more fully displayed Nature to our eyes, and not as disregarding the plants that are indigenous to our soil." To show to those who do every thing for self, how soon they may realize the beauty and the shade of ornamental trees, we will mention, that at Doughoragen Manor, the residence of the venerable Carroll, the most wide spreading, umbrageous, and beautiful willows we ever saw, were planted, not by him, but by his daughter, Mrs. Caton, the assiduous and ever watchful guardian of his health and comfort, and for her sex a model of graceful affability and gentleness. We should suppose that these two trees, planted by her youthful hands, and under which the old patriarch may witness the gambols of his great grand children, now cast a shade of at least one hundred feet in diameter. Yet every day, young house keepers postpone, and altogether neglect planting trees, for fear they may not themselves live to see them grown! We say, again, how short sighted! how selfish! how void of refined tastel]

PRESERVATION OF APPLES.

The following valuable observations, contained in a letter from Noah Webster, Esq have been published in the Massachusetts' Agricultural Reposi-

"It is the practice of some persons to pick apples in October, and first spread them on the floor of an upper room. This practice is said to render apples more durable, by drying them But I can affirm this to be a mistake. Apples, after remaining so long on the trees as safety from the frost will admit, should be taken directly from the trees to close casks, and kept as dry and as cool as possible. If suffered to lie on the floor for weeks, they wither and lose their flavour, without acquiring any additional durability. The best mode of preserving apples for spring use, I have found to be, the putting them in dry sand as soon as picked. For this purpose I dry sand in the heat of the summer, and late in October put down the apples in layers, with a covering of sand upon each layer. The singular advanpily there are those who set a better example; those tages of this mode of treatment are these: 1. The who are willing to sow though they can never sand keeps the apples from the air, which is eslive to reap; who continue, to the last, to make sential to their preservation; 2. The sand checks plantations of beautiful and valuable trees, for the the evaporation of the apples, thus preserving mere indulgence of a delicate and honourable taste, their full flavour—at the same time, any moisture and for the exclusive benefit of their posterity. On yielded by the apples (and some there will be) is absorbed by the sand, so that the apples are kept the beautiful farm of a soldier of the Revolution, residing on Sassatras river, in this state, we admired, dry, and all mustiness is prevented. My pippins less than two years past, large plantations of forest in May and June are as fresh as when first pirked;

GOOD CIDER.

brought from Europe, scions of all the trees he Good cider can be made any where, of good saw there, which were not known in this country; fruit, by the following method: When your apples and so skilfully did he manage them that every tree are well ground, wet your straw with the juice inlived except the yew tree. This instance of taste stead of water; put some straw in a cask next your and patriotism, like many of a similar character receiving tub, with a blanket on it, to filtrate or performed by the officers of our navy within a strain it, then put it into a good clear strong cask few years past, reminds us of the just reflec-immediately; suffer it to have as little air as possitions of a prolific and agreeable English author, ble to prevent fermentation. When your cask is who observes: "The introduction of a useful or or-full, bung it up tight, and remove it to your cellar, "It may be worth the attention of the raisers of namental plant is justly considered as one of the not to be disturbed for one month at least This silk worms, that there were two instances in Bucks most important services that a person can render cider will retain its sweetness for years, and be as county last year, where the worms throve well till his country; for it is impossible to calculate on the clear as needful; it will be fit for bottling in four benefits that may be derived through his means, weeks. It should not be removed in the cask it ready to spin, they left off feeding, crawled about, when the qualities of the vegetable are ascertained was put up in, but racked into another. If there their tails became small and turned yellow, the dead- and its virtues known. Even what is introduced be any who doubt this mode, let them try one cask

MILK.

A few weeks since, we noticed the opinion of an English agriculturist with respect to the quantity of milk required for a pound of butter and cheese. A woman in a neighbouring town, who has for many years superintended an extensive dairy, says the Englishman's rule is exactly right. She has ascertained by long experience that nine quarts of milk are requisite to produce one pound of butter, and a little more than four quarts for a pound of cheese worth about three dollars a year for each cow. He says skimmed milk given to swine will not yield half a cent per quart, when pork is only five or six cents early education, deserves their peculiar attention.

The Encyclopedia says, "the herbage that would be sufficient to add 112 pounds to the weight of an ox, would, if employed in feeding cows, afford 450 gallons of milk." [Hamp. Gazette. England.

KITCHENS AND LAUNDRIES.

September 10, 1826. J. S. SKINNER, Esq.,

Sir,-An annual subscriber would be obliged to you or any of your correspondents, for a description of the best mode of building kitchens for private families in the country, uniting the advantages of facility of cooking and economy of fucl with the ovens, the curing of bacon, &c., as belonging thereto. Doubtless the splendid hotels in Baltimore have establishments of this kind, which would furto be obtained. Rough drawings should accompamy the descriptions.

with a view to economy of fuel, facility of opera-

tions, drying linen, &c.

you were to publish in your journal, plans for buildings on farms-as houses for negroes, stables, barns, dairies, &c.

Brick is the material contemplated, for the build-

ings above referred to.

The person making these inquiries, is one who wishes to derive practical benefits from the theories RUMFORD.

LADIES' DEPARTMENT.

For this department we turn again to the little work entitled . HINTS FOR THE IMPROVEMENT OF EARLY EDUCATION AND NURSERY DISCIPLINE-last American from the fifth London edition"

From the tenor of these hints it is obvious that lege of a little library of his own. they are intended chiefly for the use of Mothers, on whom we depend much more than is generally apprehended, for our principles, our character and success in life. On this point we cannot do better than give an extract from the preface to the Amerioan edition before us:-]

This edition is sent abroad under the deep conviction that families are the first schools in the great discipline of life,—that lessons are to be learnt there which can be learnt no where else,-and that parents, and especially mothers, are incomparably the impressions which ordinarily sink deepest and last lants, enervating in their effects, vitiating to the By infantine gaming," it is intended to include onlongest, and which, in most cases, constitute the elements of the future character. Mothers, moreover, mon and more valuable enjoyments. Among such which, at least, may lead to their doing so at some farare naturally the objects of a peculiar preference and objectionable amusements are to be ranked those of ture period.

love which give to their counsels and example a most the theatre, cards, and every species of infantine persuasive influence. It is, yet further, their especial duty and privilege to preside habitually over that home which is all the world to a child; and they are enabled, in consequence, to watch over that most important, but too often neglected part of education, which is continually going on, and is operation, which is continually going on, and is operation whole man to every thing." This is an acquireiog very powerfully in early life, namely—incidental ment fraught with the most important advantages, instruction—the instruction of current events, and of the circumstances in which we are placed. Let, little more than four quarts for a pound of cheese

A dairy farmer informs us that the skimmed milk
and whey of his dairy, employed in feeding hogs, are
mensurate with the peculiar opportunities which
they enjoy of influencing the minds of their children.

The pour three dellars a wear for each cow. He All that is sound and useful in the science and art of the difficulty will appear nearly insurmountable.

INDUSTRY, PERSEVERANCE, AND AT-TENTION.

As idleness is the inlet to most other evils, so it is According to this statement one by industry that the powers of the mind are turned four gallons of milk. This cannot be true in New people, may be attributed much more to the waste people, may be attributed much more to the waste and misapplication, than to the want of natural powers; and it will generally be found that usefulness of character depends more upon diligence, than any thing else, if we except religious principle. It is therefore highly important to train up children to habits of industry, application, and perseverance. They should early be made sensible of the infinite value of time; they should be made to understand that no economy is so essential as the economy of time; and that, as by squandering pence, we are most convenient and best arranged plans for bake very soon deprived of pounds; so, hy wasting minutes, we shall lose not only hours, but days and months. They ought not, therefore, to be allowed to remain idle, "because it is not worth while" to undertake nish good models for the information herein sought any employment; for this is an excuse often brought forward during those intervals of time which occur in the course of almost every day. We mistake, if Also, the best plan of constructing laundries, we suppose that industry is to be confined to lesson hours: children may be as idle when at play, as over their books: we must therefore take care that the Would it not be useful to the country at large, if time devoted to relaxation be properly and happily employed. The first dawnings of a listless, dissatis fied disposition are to be checked: such a propensity will lead a child to loll in his chair—to stretch on the ground, rather than trouble himself to join in the games of his more active companions: it will lead him to seek for amusement, first, in one thingthen, in another, but to rest content with none. counteract this tendency, it is necessary to supply children with pleasurable objects-varied, but not too numerous-and to encourage a vigorous and persevering pursuit of them. It is desirable, if in the country, that they should have gardens of their own, tools, a poney, &c.; and we shall find it an important advantage, if we are able to inspire them with a taste for reading as an amusement. This will books for themselves; each child enjoying the privi-

which, in an ill regulated nursery, would pass in idleperiod of life, when the mind is open to those early other ill consequence, are like all unnecessary stimuimpressions which ordinarily sink deepest and last lants, enervating in their effects, vitiating to the

gaming.* We must endeavour to inspire children with the spirit inculcated in the following precept-"Whatsoever thy hand findeth to do, do it with thy might," (Eccles. ix. 10,)—to bring them gradually "to be though of very difficult attainment. So volatile is the mind during childhood, so averse to restraint, Racrgy of mind, like power in mechanism, if once attained, may be directed and applied to a variety of objects; but the want of this energy-an indifference, a spiritlessness of character—is a defect, most difficult to be overcome. Our ordinary resources are apt to fail with minds of this cast; for, with them, the hope of obtaining a desired object; the wish for rewards; the love of reputation, and even a sense of duty, will readily yield to every difficulty, and rarely triumph over that aversion to labour, which, if suftered to prevail, has a tendency to undermine what-ever is excellent or valuable. In the treatment of children of this character, a double portion of patience and perseverance is required; and, with all our efforts, we may appear to effect very lit-tle; but that little will probably lead to more. We must observe their tastes; and, if possible, excite activity, by presenting them with objects which particularly accord with their inclination. We may sometimes, with those of good dispositions, accomplish our purpose, by engaging their affections, and working upon love more than upon fear. It will also be especially necessary to guard against that deceit, which is too often the consequence of indolence; for a child, habitually indolent, will make it his object to get through every employment, particularly his lessons, with as little trouble to himself as possible; and the consciousness of his deficiencies -the consciousness of having failed in duty, will, almost inevitably, induce him to take reluge in falsehood or mean excuses. We should, therefore, as far as possible, avoid trusting such children to learn their lessons alone; for this will be expusing them to temptation. Let it be an object to give them employments which they cannot evade-from which there are no means of escaping; -something to he done, and not merely to be learnt. For instance, it will be better to set them so many lines to write, rather than to learn by heart. If tasks must be set, they should be made as short, as defined, as merhanical as possible, and learnt in the presence of the teacher. To all children, perhaps, the rudiments of learning may be made easier, by rendering them as mechanical as the subject admits of. It may be better not to tell a little child that he shall spell his lesbe promoted by the habit of buying and collecting sons till he does it without a mistake, but to desire him to spell it so many times over, aloud and distinctly, as the business of the day. Children will One of the duties of a nurse is to employ her also learn more readily, when their lessons are regucharges well in the absence of their parents. If, for lated by established rules. If a child be uncertain example, she provide herself with paper, pencils, how much he is to read, he will probably murmur paints, little pictures. &c. to cut out and paste, as when the portion is snewn to him. Rather let it be employment for wet days and winter evenings, many fixed, that, to read so much to spell so many words, hours may be spent harmoniously and happily, so many times, &c. is to be the regular business of every day. He will then come with a prepared ness, and, consequently, quarrelling and mischief, mind, which is as important to the success and For children, who are brought up in domestick and good temper of children as of ourselves. On this natural habits, it will not be difficult to find an abun- account, a daily perseverance in teaching, and regudant variety of wholesome and simple pleasures; lar hours, are necessary. The habit of omitting best and most effective instructers. Children, in the and we should carefully avoid exciting a desire for lessons, on every slight excuse, has an injurious efprovidence of God, are committed to them, at that artificial amusements, which, if they produce no fect; and a child will come very unwillingly to be

portion done well; but we must be prepared for con-surrounced. stant fluctuations in our little pupils. The fixed por- A tight standard is desirable in intellectual pur-planters, verify the want of that precision and cerone time vigorous; at another, listless; -at one time, ledge which quick; at another, apparently slow and dull -must be expected: it is the nature, the constitution, of children. These changes are to be borne with unruffled patience and quietness, and expressions of displeasure carefully avoided; for it is hurtrul, and utterly useless, to upbraid children with dulness and inattention. Let us get through the lesson-get through it as well as we can; and then, if the child display no positive naughtiness, leave it. The fixed portion of husiness being completed, the child is to be dismissed; and there is little doubt we shall accomplish more at some future period.

But the self-love of parents and teachers is very apt to insinuate itself into this employment. We do not like that other children should read and write better than ours; we are mortified at not gaining the immediate fruit of our labour-that the directions given to-day are not practised to-day. Our pupil seldom keeps pace with our impatience; this irritates the temper, and brings down complaints and punishments upon the poor child, for defects which often arise more from a want of power than from a want of will. Thus, so painful an association with his books is excited, as may prove of serious disadvan-tage to him in after-life. This mistake is generally to be observed in young mothers, and those unaccustomed to the intirmities of childhood. It should be remembered, that the actual result of each individual lesson is of little importance, if no bad habits are formed or wrong tempers excited. It is by a long succession of lessons that progress will be perceived; by 'line upon line, and precept upon precept. Not that we are to expect that children can be properly taught without discipline, or that the whole of learning can be rendered merely an amosement. Some objects absolutely require labour and self-sub jection; but at the same time there is no doubt that a judicious teacher, with many children, may excite a great deal of spirit in learning, and may impart J. S. Skinner, Esq. instruction on a variety of subjects so as to interest and delight rather than fatigue If once we are able to enlist in the cause the inclination of a child, the chief difficulty is removed: there will be little doubt of his success, and we render him a lasting service. How eareful then should we be to make learning as northern region of Alabama. That particular scope agrecable as possible, to beware of exciting disgust towards study, and to nurture a literary taste, not only as good in itself, but as an important preservative from evil, especially to boys, in future life.

It is to be regretted that the common mode of teaching has more to do with the memory than the understanding. With many children whose inno merable "tasks are painfully learnt and darkly understood," the memory is exercised, not to say burthened, whilst the real cultivation of the mind, the improvement of the reasoning powers, and the schourne; and in the Story of Evenings at Home, enthe ravages of the cul worm, against which we formation of good intellectual habits, are overluoktitled, "Eyes and no Eyes."

that he may put off the task, or escape it alto-buted the imperfect and superficial knowledge, the extremity of which I inhabit, is preeminently adwant of literary taste in those who have been taught mired for the remarkably level surface of its lands. It ought to be our object, that our pupils should merely by the common school routine; and is it not their extraordinary lertility, existing in bodies so advance surely, rather than rapidly. The most im- desirable that such deficiencies be remedied as tail portant advantage of lessons, of regular daily less as possible, during the intervals of time passed at dense population. Its age considered, it has alreasons, in childhood, is this.—That they afferd us an home, by directing the attention to English reading; dy made appendix of the general basis of the county heing lime-jection, diligence, and attention, and an opportunity of cultivating a taste for intellectual pursuits. In attract attention in early the, the works of nature adapted to the production of cotton, wheat or tothe first ten years of life, it is not the quantity of may rasily be rendered the medium of continual in bacco, &c., though cotton constitutes the engrossknowledge acquired, but the habit of learning west, struction and ansusement to children. On this acthat is of consequence. With very young children, count, natural history, in its various branches, is this latter article the southern planter is most intehowever, even this principle is to be acted upon with particularly useful, as both pleasure and improve- rested in cheming additional knowledge by practical moderation. It is a rule that such a portion should ment may be derived from the hapit of observing experiments. Our present system of culture is yet be read, spelt, &c.; and our object is to have this and examining the various objects with which we are admitted to be very defective. The great diversity

tion of business must, indeed, be done; and if we suits, as well as in those of still greater value, tainty of knowledge that always insures a successperceive a spirit of self-will and disobedience, this Nothing can be less ornamental than accomplishing the crop to well directed industry. The drill sysmoust be corrected. But that our pupils will be, at ments performed in a poor style, and with bad tem of planting prevails with us, varying the disone time, more industrious; at another, less so, -at taste, or than that superficial and imperfect know-tance from 34 to 4 feet between drills, and gradual-

> - is proud that it has learnt so much " But whilst we endeavour to inspire our children with a desire to do well, whatever they undertake, whilst we endeavour to turn to the best account, both their time and taients, we must beware of raising our expectations too high; for if an ambitious spirit insimuate itself into the business of education, it will be a source of mortification to the parent, and of irritation to the children. It is but too probable that in this case the latter will be over-urged by the former; and thus those very objects frustrated, which have been pursued with too much eagerness.

> In curtivating habits of industry, application and medium to be observed in this, as in every other practice with us is, so soon as the plant exhibits a branch of education. These qualities are of so much value, that they demand a full share of our attenvalue, that they demand a full share of our attention; but we are not so to pursue them as to infringe warming influence of the sun. This process is reupon the necessary liberty, and the truest enjoy-ment of children. It ought again to be repeated, that all unnecessary restraint is only so much unnecessary evil. We must also treat with much tenderness that lassitude and apparent indolence, which even slight indisposition will occasion in emidren. In the short time devoted to lessons, we may gradually employ a stricter discipline; but, in play-hours, at though it is a positive duty strongly to oppose list lessness and indotence, yet, with healthy and welltrained children, we shall find little eise necessary than to direct their activity, to encourage their projects, and to add to their pleasures.

CONTRACTOR OF THE PARTY OF THE WISCELLANEOUS.

CLIMATE, SOIL, PRODUCTIONS, &c., OF ALABAMA.

tion relative to the agricultural character of our country, I can briefly state, that no portion or the western country presents so inviting a field for varied experiments in practical agriculture as the

* see Looke on the conduct of the Understanding, and Watts on the Mind; books, from which many excellent hints may be derived on the subject of education. Of the latter, Dr. Johnson remarks, Frow books have been perused by me with greater pleasure than Watts' Improvement of the Maid. Whoever has the care of instructing others, may be energed with deficiency in his duty, if this book is not recommended."

The advantages of such a habit are displayed in that highly interesting work, Winte's Natural History of ral inquiry. Our cotton crops are also subject to

taught, who, from his past experience, daily hopes ed.* Is it not to time cause that often may be attir of country styled the Tennessee Valley, the lower ing article of attention. It is in the cultivation of evinced in the modes of cultivation by different ing the distance of stalks in the drill from 6 to \$ mehes. Upon land of good quality, my own expe-

> But this point is one of the common bones of contention among planters. I believe also a uscless waste of ground is sustained by the planter, by allowing more than 31 feet between drills.

But it is after the plant makes its appearance above ground that the most difficult and critical observed before, that the seeds are drilled in ridges partially elevated, by three or five furrows thrown together by a bar share plough. The prevalent e uple of leaves above ground, to commence scraping down the slopes of the ridges with the hoe. peated twice or three times before it is deemed necessary to return the dirt, in the form of hilling, to the cotton. This practice, though almost universal with the planters, I consider entirely erroneous. The usual period for planting with us, is between the 1st and 15th of April; and in ten days the seeds are seen springing up, exhibiting a very feeble looking plant, very sensible to the effects of cold, and easily blasted by any unpropitious change of weather. The coof weather that prevails in April and the early part of May, never fails to produce an atarming mortality in the cotton. It is at this period the most lively apprehensions are felt by the planter respecting the fate of his crop; the great desideratum being the procurance of a sufficient supply of stalks, standing with due regularity in the drill. This desirable object is, I believe, oftentimes deleated by the injudicious practice of removing the dirt from the plant when young and tender. Florence, Ala., Aug. 20, 1826. The soil being usually close about the stalk of the Sir,-in reply to your pointe appeal for informa- plant when it first puts up, protecting its roots against the admission of cold air, the practice of scraping, by suddenly exposing the stalk to the premature action of the sun and the chilling air of the nights, contributes seriously to the blast of the plant. Besides, taking off the surface of the ridge gives the planter a speedy crop of grass as a remuneration for his idle pains.

My own experience has induced me to depart from this practice. I commence the cultivation of my crop by adding a slight portion of soil to the cotton, with the two fold purpose of screening the stalk against the cold air and also as a smothering coat over the grass seed that lie near the surface of the ground. But this subject is worthy of more genecommence the cultivation of the silk worm. The black mulberry grows abundantly in our woods. I have written to Mr. John Randal for a supply. Yours, very respectfully, JOHN POPE.

OBSTRUCTING THE MAIL.

In the District Court of the United States, held at Williamsburg, (Pennsylvania,) June 5, 1826, before Judge Wilkins.

THE UNITED STATES Indictment for a misdemeanor, in obstructing and ROBERT M. KEE, JR. retarding the mail stage of the United States, upon the post road from the post office in Pennsborough to the post office in

Milton, contrary to the following statute:
The 9th section of the act of Congress of the 3d of March, 1826, provides, that, "if any person shall knowingly and wilfully obstruct or retard the passage of the mail, or any driver or carrier thereof, or of any horse or carriage carrying the same, he shall, upon conviction for every such offence, pay a fine not exceeding one hundred dollars."

The evidence adduced by the United States, proved that, in November last, the mail stage, travelling southward, overtook the defendant driving a wagon and four horses, at the north side of the Muncy Hills, in Lycoming county, which team oc-

cupied the middle of the road.

After a little time the stage driver attempted to pass on the right of the wagon, but the defendant then advanced from near the hind wheel of the wagon to his horses, and jerked his lines, inclined his horses across the road, and thus compelled the stage to fall back; the driver and passengers then continued behind, waiting for a much wider part of the road, intending then to run past, previously to entering the narrows of the Hills, where it was impossible to pass without mutual consent; but, when M Kee reached the wider part, he whipped his horses into a rapid gait, passed up the next short ascent, and thus again obstructed the passage. The driver now gave his reids to one of the gentlemen in the stage, went to M Kee, and expostulated with him for delaying him, informing him that he would 18th,) and continue four days. prosecute, unless permitted to pass; but if he now suffered him to proceed, he would forgive him what had passed. M. Kee disregarded the remonstrance, and moved on at his slow pace until the stage driver found a place where he could whip round the wagon, and then he passed it without \$400 will be run for. further molestation.

The defendant's counsel alleged that one of his horses was unruly and frightened; that the obstruction arose from the viciousness of the horse, and offered some evidence of this disposition at a former time and place, but not on the occasion com plained of. They endeavoured also, to show that the stage had arrived as early as usual at Milton; day of October next.

The Judge's charge cannot be given at length, but it was lucid, instructive, and impressive represented how important it was to the community, that the mait stage of the United States, trans-Riders to be dressed in coursing style. porting so much property, and so much intelligence often of the most sacred nature, should not only pass unmolested, but be held in respect and treated as inviolable. This character it had preserved, heretofore, in the eyes of the citizens, almost universally; producing the happiest consequences to with the human race, the Horse occupies the first ropeans. This was the first prosecution which had sable link in the chain of creation: without him, internal quality, should mutually and interchangeever tallen under his observation. The question nature's system and human enjoyments had been

wilful, and did the defendant know it to be the mail boriously to till the soil, as an associate with the stage? The indictment his honour held to be suffi- patient ox, to carry the heaviest burdens, or to pertional, and with knowledge, its short duration, and Nature has endowed this her favourite animal with the early arrival of the mail at Milton, were no ex- a degree of intelligence and a generous inclination cuse. The jury, in about fifteen minutes, agreed to obedience, which render him highly susceptible upon a verdict of guilty.

DREADFUL DEATH.

A farmer of Thoarout, in Flanders, was following swarm of bees in the heat of the day; at length seeing the bees hanging on the branch of an ash, he presented the hive to them, but unfortunately the queen betook her station on his face, and in a moment the whole of the bees followed their sovereign, and the unfortunate man was overwhelmed by this cruel species of attack. In a quarter of an hour he was dead. A person who was with him, to assist him in the operation, ran away from him.

A credulous clown went to the clergyman of his parish, and told him with great symptoms of consternation, that he had seen a ghost. "Where did you see it?" was the question. "Why," said Diggory, "as I were going, 'an please your reverence, by the church, right up against the wall, I sees the ghost." "In what shape did it appear?" "For all the world like a great ass." "Go home and hold your tongue," said the clergyman, "for you are a very timid creature, and have only been frightened by your own shadow."

SPORTING OLIO.



RICHMOND JOCKEY CLUB RACES.

The Richmond Jockey Club Races will take place on the third Wednesday in October, (the

On the first day, the Proprietors' Purse for \$300. two mile heats. On the second, the Jockey Club nature of this interesting animal, it may be conve-Post stake of \$500, a single four mile heat. And original species, the most opposite indeed to each

Among the horses now in training, are Arab, Ariel, Gohanna, Shakspeare, Phillis, and others.

NEW YORK ROAD HORSE RACES.

The New York "Association for the Improvement of the breed of Road Horses," give notice that their fall purses will be contended for on the 2d and 3d

that, in point of law, the indictment was informal miles and repeat, \$200. Second day's purse, in harness, 2 miles and repeat, \$200. The weight under the sad-First day's purse, under the saddle, 2 miles and dle, t45 lbs; in harness, to carry a feather.

At 4 o'clock on the second day, there will be a

sweepstakes of \$100, three miles and repeat, under the saddle, free for rackers, pacers and trotters.

THE HORSE.

(From the Sportsman's Repository.)

Of all brute animals in a state of association for the jury to decide, if they were satisfied that the incomplete. He contributes equally to the services,

fortunately exempt from the rot. I am preparing to obstruction had occurred, was, whether it was hixuries, and pleasures of man. Whether it be lacient, and therefore overruled the objection to it of form the longest and most painful journies, the the defendant's counsel. If the delay was intenof education. His form and qualities are admirably adapted by the Eternal and unerring Artist, to the particular rank he is intended to fill in the scale of being. He is either fashioned to sustain heavy burdens, and to endure the coarsest drudgery, or endued with that just and beautiful symmetry of form and delicacy of skin, which convey to the critical and scientific view, ideas of perfection, and which are harbingers of the highest degree of quadrupedal activity and speed. His full eye beams with mildness and generosity, or sparkles with the fire of courage, energy and action. In war, be offers a danntless front to the greatest dangers, engaging in the mortal strife and clangor of battle, unappalled, and as actuated by an undivided and equal interest with his rider. In the field, and on the course, be exhibits a speed, and power of continuance, a firmness of nerve, a strength of muscle and elasticity of sinew, of which no other animal of the creation is capable; bearing his rider along over plains, hills, and vallies, as if impelled by supernatural energy: but all descriptions of the horse must give place to that inspired one of Job, which has elevated and delighted the minds of men of all ages and all nations.*

Job was a native of those desarts, to which is indigenous that fine and delicate model of the horse genus, from his superior speed, styled the Courser. These beautiful animals are supposed to have originated in the desarts of Arabia, of Barbary, and some other parts of Africa, and from those to have migrated to the circumjacent countries. Granting this to be supposition, it is confirmed by an unbroken evidence of facts during thousands of years, recourse being invariably had to those desarts for supplies of this matchless race; but there exists no record of sufficient antiquity to reach the first example of taming the horse, since the most ancient histories represent him as already inured to the ser-

vice of man.

In order to have a clear understanding of the Parse for \$1000, four mile heats. On the third, the nient to divide the genus (equus caballus,) into two on the last day, a Handycap, and match race for other, ooth in form and qualities,—namely, the 5400 will be run for.

Southern and the Northern: the fine courser of the Eastern desarts, and the gross, coarse, and bulky horse of the lowlands of Europe. The former appears as he came perfect from the hand of nature, independent of the art of man; and his activity and high spirit plainly destine him to the saddle, although in his native regions, where the camel and the dromedary submit to the heavy burdens, he has also been immemorially harnessed to the war cha-The latter, a European species, some of which are almost of elephantic size and weight, calculated chiefly for slow draught, are covered with coarse hair and hides, have large round, and porous bones, and rugged inductile sinews. These, albones, and rugged inductile sinews. though large and stately animals, are seldom found of regular proportions, until improved by human These species in contrast are cited as an appeal to the consideration of those, who conjecture with Buffon, that all horses have proceeded originally from one single pair, and that the specific differences and varieties which we witness, are the mere result of difference in soil and climate. It seems scarcely possible that two species so opposite the community, and exciting the admiration of En and most important rank. He forms an indispendent and distinct, as well in external form and size, as

ably assimilate through any other medium than that of intercopulation. The wild horses of South hundred hogsheads of Ohio tobacco of the last America, even upon the most arid and lesart tracks, year's crop, have been inspected at the warchouse give thus far, no countenance to the hypothesis of in this city. We understand that it has generall Buffon, retaining their original specific distinctions of form, after the lapse of several centuries. These arguments, however, do not militate against the Count's position, that the light and elegant courser believe, from seven to ten dollars per hundred, an is the natural production of dry soils and warm cliss the only tobacco in which much is doing. Ther mates, provident nature having originally furnished is said to be a difference in the texture and qualit the various soils and climates of the earth with of the Ohio and Maryland, in favour of the latte animals, in size, form, and constitution, suitable when there has been no advantage in colour. The horse, under the fostering care of Ohio bright tobacco is said to be fatter—to use man, will succeed and prosper under all, but the term understood by tobacconists and tobacco des extreme degrees of climate; the species of the lers. genus are numerous, and the varieties almost infinite.

From the desarts, then, the nations of antiquity were supplied with a breeding stock of the most valuable species of the horse; and Egypt, Persia. Stoddard, the former of which sailed from Liverpoor Numidia, Macedonia, and Greece, are chronicled as famous for the number and excellence of their cavalry; the latter country, in the Olympic games, the 28th July, (but was not published until the 18th being the first to use the horse as a courser, and to of August,) which, among other provisions, goes to train him to the race. The vast regions of Tartary have always possessed a light, sinewy, and blood-sessions in the West Indies & after the first description. like description of this animal; and those parts of Europe, bordering upon the Eastern countries, have been constantly receiving improvements in their indigenous breed, from that source. The various been caused by hunger, has filled the hospitals wil communications also, ancient or modern, between patients. the Eastern countries and Europe, whether of war or commerce, have served to stock our northern being engaged in the late riots, have been sentence part of the world with the horses of the East, by which our native breeds have been so changed and improved; but in Britain and Ircland alone has the southern species been preserved in a separate state and purity of blood. The crusades, no doubt, were the occasion of importing a great number of horses Alliance. from the Levant into Europe.

LEAPING .- On Saturday morning, May 27, an extraordinary leaping match was decided at Tooting. One hundred guineas were betted that an Irish gentleman would beat three other gentlemen, two of whom were Englishmen, and one a Scotchman, at leaping on level ground. The Scotchman, in a running leap, cleared eighteen feet, but could go no further; the Englishmen could neither of them exceed seventeen feet and a half, but Paddy, in his first spring, leaped nineteen feet seven inches. In the hop, step, and jump, the Irishman leaped the the hop, step, and jump, the Irishman leaped the extraordinary distance of forty-seven feet, by which he beat his antagonists between eight and nine feet.

ARMBR.

BALTIMORE, FRIDAY, SEPTEMBER 29, 1826.

&F-Sports of the Turf.—Gentlemen who pa tronize and take pleasure in this sort of amusement, assure us that fine sport may be expected at the Wednesday, the 18th of October.

Amongst other horses in training for the purses to be run for on that day, the following have been mentioned to us:

Betsey Richards, Mark Time, Fairfax, Tickler, Lady Hal, Trippet. Southern Eclipse, ¿ Louisa Sims, Oscar,-sold from the training stable to a gentleman in Ohio for \$600. Two 3 year old Tuckahoe colts.

Warwick mare,

Otterington,

&FVERY LATE FROM ENGLAND .- By the packet on the 20th, and the latter on the 25th ult., we lear sessions in the West Indies, &c., after the first da of December next.

In Ireland, a wide spread sickness, said to have

At Lancaster Assizes, 42 persons convicted to death.

The subject of most interest on the Continen was the new Portuguese Constitution, which at pears to have alarmed all the members of the Hol [N. Y. Mer. Adv.

Letters received in Baltimore by these arri vals from Enrope, state that there is nothing doing in tobacco.

COMMERCIAL RECORD.

The London Price Current of August 22d, says Wheat is a fine crop, Barley middling, Oats ver short, Beans and Peas a complete failure. It is therefore anticipated that the Ministers will imme diately issue an order in council permitting the im

The corn crops on the continent are said to be most abundant.

Liverpool, August 25 - There has been a good demand for Cotton the last five days, which holders have met freely at last week's prices. The sales are estimated at 9500 bags of all sorts; about 2000 of Egyptian at 61 a 62, mustly taken by speculators The market the last two days has been rather heavy There is a good demand for U.S. Pot ashes at 24s next races, to commence on the Canton Course on and Pearls at 25s. 6d.; 23s. asked for recent imports of Pots from Montreal. On the 23d, 2300 bbls o new Turpentine were sold by auction at 9s. tu 9s. 6d [N. Y. Mer. Adv.

CONTENTS OF THIS NUMBER.

On the Manure of Land, by Amphicon-Premiums offered by the Agricultural Society of the Valley-Prospect of Crops in Georgia-Manufacture of Silk in Missouri On the Production of Silk and Wine in the U. S. On the Sophoria Tinetoria, or Wild Indigo, by Wm.
 Zollickoffer, M. D.—Cure for sickness in Silk Worms
 On Rural Taste—Preservation of Apples—To make good Cider-Kitchens and Laundries, inquiry-On the Education of Children, Industry, Perse erance and Attention—Report of a Trial for Obstructing the Mail-Dreadful Death—Anecdote—Richmond Jockey Club Races—New York Road Horse Races—Extraordinary Leaping-Canton Races-Commercial.

PRICES CURRENT.

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s	APP' E BRANDY, 1st pr	- - j		33				50	
0	SUGARS, Havana White,	c.lb.	12	50	13	50	14		15
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SKINNER, Editor, by John D. Tov, corner of S Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

5.00

9 00

AGRICULTURE.

MARYLAND AGRICULTURAL SOCIETY. Next Cattle Show.

At a meeting of the BOARD OF TRUSTEES of the Maryland Agricultural Society at Brookland Wood on Thursday 28th September, 1826, the following For the best thorough bred Stallion, pedimembers appeared:—R. Caton, J. B. Morris, G. Cook, A. Thomas, J. Hollingsworth, J. Swann, B. W. Hall, S. W. Smith, D. Williamson, jr. James Cox, Treasurer, and J. S. Skinner, Corresponding For the best Stallion adapted to get stock for Secretary.

The committee appointed at a former meeting to prepare a scheme of Premiums for the consideration of the Board, made a report, which, being read, it was resolved that said report be published in the American Farmer as a project for consideration, with an invitation on the part of the Board, to the agriculturists of the state, soliciting such suggestions in regard to any practical modification of said report, as may be thought expedient and useful: said suggestions to be made through the corresponding secretary, and to be by him submitted to the Board for consideration at their next meeting.

The Board then adjourned to hold their next session at Lexington, the residence of David William son, jr. Esq., of which further notice will be given

The following is the Report as presented by the Committee.

The Committee appointed to prepare a scheme of Premiums for the next exhibition of the Maryland Agricultural Society, beg leave to report the follow- For the best Bull over 2 years old, full blood ing, viz:

For the Farm of not less than 100 acres, which shall appear to have been cultivated, with the greatest economy and nett profit, consistently with its permanent improvement; reference being had to its natural advantages as to soil, situa-

For the second best Farm; particulars as above, . . .

CROPS.

For the best 10 contiguous acres of Wheat, to be not less than 30 bushes per acre, 20 00 For the best 10 contiguous acres of Indian Corn, yield not less that 60 bushels per For the best 10 contiguous acres of Rye, yield not less than 30 bushels per acre, For the best 5 contiguous acres of Hay, timo-

thy, clover, ree or orchard grass, or any of the above mixed-weight to be ascertained at least one month after cut-For the best 5 contiguous acres of wheat, yield not less than 30 bushels per acre, For the best 5 contiguous acres of Indian

Corn, yield not less than 60 bushels per For the best 5 contiguous acres of Rye, yield not less than 30 bushels per acre.

For the best 2 contiguous acres of Hay as 10 00 For the best crop of Tobacco, not less than 5 hogsheads, highest price, . 20 00

For the second best crop of Tobacco, as above, 10 00 To the person who shall raise the greatest quantity of Seed Cotton in this state, For the best acre of Potatoes, not less than 200 bushels,

10 00 To the proprietor of the apple orchard, consisting of not less than 200 trees, which shall evince the most judicious manage-, 10 00 No. 29. -vol. 8.

For the most successful experiment in waterwretting, or otherwise preparing Flax or Hemp; the quantity to be not less than 50 lbs. dressed—the whole process to be stated and a sample to be produced, . 10 00

HORSES AND MARES.

gree properly authenticated to be produced, and left with the Society for publication, . 20 00 the saddle,

For the best Stallion adapted to get stock for quick draft. For the best Stallion adapted to get stock for slow draft. For the best thorough bred brood mare,

For the best brood mare adapted to the saddle, For the best brood mare adapted to quick draft. For the best brood mare adapted to slow draft,

ASSES AND MULES.

For the best Jack, . 20 00 For the best Jennet, For the best pair of well broke Mules, raised in the state. . 15 00 For the best Mule Colt, by the side of its

NEAT CATTLE. Improved Durham Short Horns, 15 00 For the best Bull over 2 years old, full blood Devon, 15 00

For the best Bull over 2 years old, of any other breed For the best Bull under 2 years old, of any breed. For the best milch Cow, . 20 00

For the second best ditto, 15 00 For the third best ditto.
For the best Heifer of any breed, . 15 00 For the second best ditto, . For the best pair of well broke Oxen, . 10 00

For the best grass fed Bullock, .

For the best Boar over I year of age, . For the best Boar under 1 year of age, . For the best breeding Sow, . For the best Sow Pig,

SHEEP AND WOOL.

For the best Saxony Ram, reference being had to the quality of the wool, For the best pair of Saxony ewes as above, For the best Merino Ram, as above, . For the best pair of Merino Ewes, as above, For the best Southdown Ram, For the best pair of Southdown Ewes, For the best Dishley Ram, 10 00 For the best pair of Dishley Ewes, For the best Ram, of any other breed than the foregoing, For the best pair of Ewes, of any other breed

than the foregoing, To the Farmer whose flock at the last shearing yielded the greatest average weight of Wool, the flock to consist of not less than 20; the wool of the whole to be weighed, being first cleansed of tags and filth—if fine wool,—

. . As above—coarse wool, To the Farmer who shall have raised, the last season previous to the exhibition, the greatest number of Lambs, in proportion to the number of ewes, (not less than :

For the best specimen of shearing, (on the ground,) 5 00 DOMESTIC MANUFACTURES. For the best piece of Carpeting, not less than 20 yards, the wool whereof to be raised and spun on the farm of the candidate, 8 00 For the best piece of Kersey, adapted to labourers, not less than 20 yards as before, 5 00 For the best piece of shirting of any materials, not less than 20 yards. 5 00 For the best piece 8-4 linen Diaper, not less

For the best hearth Rug, 4 00 For the second best hearth Rug, . 3 00 For the best and handsomest piece 10-4 woollen Counterpanes, . 4 00 For the second best, do. 3 00

than 15 yards.

For the best pair knit woollen Hose, full size, 2 00 For the second best do. do. 00 For the best pair cotton Hose, full size, 2 00 For the second best do. 00 For the best pair knit thread Hose, full size, 2 00 For the second best do. do. 1 00

To the Spinners of the greatest weight of cotton, wool, or flax, in five hours; for each article \$3, . .

IMPLEMENTS OF HUSBANDRY. For the best agricultural Machine, that may be considered new and as deserving the patronage of the Society, . . . 10 00

FERMENTED LIQUORS.

For the sample of the best Cider, the pure juice of the apple, . For the sample of the best domestic Wine, 10 00 BUTTER AND CHEESE.

For the specimen of the best fresh Butter, . 10 00 15 00 For the specimen of the best preserved Butter, 3 months old, to 00 For the specimen of the best Cheese, made

in Maryland, 8 00 . . PLOUGHING. 10 00 For the best Ploughing by three horses or mules, 10 00

10 00 For the best Ploughing by two horses, mules, or oxen, . 10.00 20 00 To each of the successful Ploughmen \$2,

[On the above scheme of Premiums, we take leave to make a few comments, explanatory in some mea-5 00 sure, of the views of the Committee and the Board 10 00 of Trustees, and in pursuance of our own reflections. For these neither the Committee nor the Board will be answerable, as they are made without their authority. We act rather as Amicus Curiæ 15 00 than as an officer of the court.

First as to Farms. It will be seen that no change 10 00 15 00 has been made, the Board is of opinion that these 10 00 Premiums ought not to fail in exciting a salutary 15 00 spirit of emulation for best general management, and 10 00 that if the terms be strictly complied with and the 15 00 vouchers regular and satisfactory, the information 10 00 to be gained by the publick will be important. As these Premiums are of high value, and funds not 15 00 easily raised, a strict compliance with the terms and an intelligible description of the management, for 10 00 which such a distinguished premium is conferred.

ought to be exacted of the party. CROPS.—The Premiums for these are generally of the same amount and for the same species of crops as those heretofore given; but it will be seen that the number of acres have been in most cases 10 00 diminished by one half. This was done, it may be 5 00 supposed, with a view to opening the field for a greater number of competitors, and to inculcate the expediency of making heavy crops on little land, rather than light ones on a large surface. The cost of labour in each case per acre being nearly the 10 00 same; the true secret of one of the chief sources of

up their owners, driven away their children, and are the Society."

now eating up themselves.

Horses,-Here new premiums have been introduced for the express purpose of encouraging in the mode deemed most effectual, within the means of the Society, for the encouragement of the race of the blooded horse in Maryland, besides the Premiums beretofore offered for the best horses, have been increased in amount. The Board of Trustees has probably been struck with the remarkable and disparaging fact, that there is scarcely an estate in Maryland on which there can be purchased, what may be called a valuable saddle or harness horse, of good figure and action, such as a gentleman would take pride in owning. It is admitted with pleasure that improvement is going on in this particular, and if any one can suggest in what way the funds of the Society can be so appropriated as and the convenience of so many are connected, such suggestions will be most respectfully considus as a means to supply the deficiency of manure next

dispute about the economy and value of the mule; on these points, as well as on the various races of the animal from which they are on one side derived, and other weeds which, as far as we have made exnothing remains to be said, since the publick was cursions in the country, appear to be more abundant is evinced on the point of procuring and encouraging yield two or three tons weight to the aere. wards these enduring and faithful domestics by a make good bedding and litter for barn yards.in Maryland in a year.

moting their melioration, seeing that there is so much difference in favour of particular races. Some fail from the drought. Of all manures water is one being best fitted for beef, some for milk, some for of the most efficient, and when arrangements are butter, some for the yoke, and some uniting most once made to avail ourselves of its agency, it con-

as they were at the last Cattle Show.

hardiness, and for yielding mutton of the finest conducting these operations. Is further informaquality for a gentleman's table.

these premiums have been suppressed under the of what we have often suggested-To wit: that the persuasion that since the establishment by the Tariff better way is to reduce his wishes to the form of of regular manufacturing establishments, these plain queries on each separate point, and if our corthings are not to be manufactured with economy by manual labour, and this persuasion has been con-

in question.

has been offered for any particular implement, be- easily made; the paper is open, and the wisest men lishments has superseded the necessity of further self-conceit, or are too proud to admit their ignostimulus: yet it was thought best not to overlook the rance seldom make advances in acquiring know-subject altogether, but to offer as an incentive to ledge. Farmers, if any, who have been improvi-

the greater profit of agricultural capital in New general premium for the machine which shall "be to repent it; and all those within reach of a hav England over Maryland, where slaves have eaten considered new and as deserving the patronage of market should save every particle of winter food that

FERMENTED LIQUORS, BUTTER, AND PLOUGHING, That article is now selling for \$22 per ton.] no change has been made.

GENERAL REMARKS .- We apprehend, that on a view, of the list it must be admitted as apparent that ers, on the means of alleviating the mischiefs which the Board of Trustees have kept in view, improvement in the substantial practical branches of agriculture. If in some things they may be thought to dated, Edinburgh, July 20, and addressed to the have erred they would only answer, "humanum est editor of the Courier, with the following short inerrare;" but they court advice and are open to conviction.]

HINTS TO FARMERS.

In a late number of Bell's Weekly Messenger, received at this office, we find the following hints from Sir John Sinclair, and, as they have grown out of the "uncommon heat and dryness of the seato accelerate an object, with which the pleasure son," many of his suggestions may be applicable to our own country. On the point of increasing litter, year, arising from the scarcity of the materials com-Asses and Mules .- There is now little if any monly used for that purpose, it has occurred to us that our farmers would be well repaid for their labour by cutting the immense crops of the hog weed, favoured with the excellent and conclusive prize es- this year than we have ever known them—we have tity of manure for the grain and green crops of the say of Mr. Pomeroy; yet it is wonderful what apathy seen some fields which we should suppose would succeeding year must be greatly diminished. the best jacks to be used within the state. One is said that cattle will eat the hog weed kindly in would really suppose the publick to be actuated to- winter, if well cured; but, at all events, it would hirts as may tend to alleviate the mischiefs which prejudice similar to that which realizes the pro- There is another point touched by Sir John Sinclair many unfortunate circumstances. phetic denunciation against the serpent, "and the that deserves the most serious attention-that is the heel of the sons of Adam shall bruise the serpent's importance of every farmer making himself achead." There are perhaps not thirty mules reared quainted with, and putting into practice, the means ble to reap the crop with a hook or sickle. In such of irrigation. Wherever a stream of water can be brought to act upon any portion of his land, no pains Bit, in whatever way the harvesting is carried on, NEAT CATTLE—The Premiums for these have brought to act upon any portion of his land, no pains Bit, in whatever way the harvesting is carried on, been augmented in consideration of the universal should be spared to put it in operation; more espethe greatest care ought to be taken, either to cut use and value of Cattle, and the importance of pro-moting their melioration, seeing that there is so enced the liability of the best dry land meadows to of these qualities with the least number of defects. tinues to be, of all manures, the cheapest, not only growth is often last. The only mode of preserva-We hope never again to see the Cattle-pens so bare but because it costs less labour to apply it. We do pecially with oat-straw, if it can be procured. The not here allude altogether to the advantages of irricclover, when mixed with the straw, may be full of sap; SHEEP .- No alteration has been made in the not here allude altogether to the advantages of irriscale of premiums for Sheep. All the valuable gation in the summer season; for we are aware that races are embraced, and it has been deemed useful the very droughts which so much enhance the value to offer such inducement as will ensure to the pa- of that, will often exhaust the streams which are to ed, and the straw so much improved in value, that trons of the Society, and the agricultural publick, afford the means of it,—but we mean to urge upon 5s. worth of straw may be thus converted into an an opportunity of sceing the various breeds. The Southdown breed, so remarkable for its hardiness, ble fertility caused by winter flooding of his land the good quality of its wool and the excellence of where that may be, as it can be accomplished in so ed at the time of stacking, cattle will not only eat the good quality of its woof and the excellence of white that may be, at the most determined by the many situations where it is totally neglected. On the mixture more eagerly than good unmixed hay more degrable, numbers and in great perfection—we these topicks, larger on and flooding of land, we not salted, but will thrive nearly as well upon it. considerable numbers and in great perfection-we these topicks, irrigation and flooding of land, we shall soon have an opportunity of realizing the merits have given, it is apprehended, ample testimony of of a race of slicep so long esteemed in England for their advantages and instructions as to the means of tion needed by any on this or other subjects embrac-Domestic Family Manufactures .- Some of cd in this journal? the party is respectfully reminded firmed by the want of competition for the premiums ledge or experience, if we do not answer ourselves, will be because we cannot command the informa-On IMPLEMENTS OF HUSBANDRY .- No premium tion from our own resources. The trial is always cause no improvement was expected to result from have always been the most ready to proclaim their be devised. it. The active competition amongst these estab- own ignorance. Those who wrap themselves in the ingenuity and public spirit of our citizens, a dent of their corn-fodder this year, will have cause ly ploughed, or well harrowed, and the turnips sown

may enable them to reserve their hay for sale.

The following article is given as "Hints to Farmare likely to result from the unfavourable scason.-By the Right Hon. Sir John Sinclair, Bart,"-It is troduction:-"It is of the utmost consequence that the farmers should receive, with as little delay as possible, the inclosed hints on the means of alleviating the calamities they are likely to suffer from this most unfavorable season. I wish much, therefore, to have the inclosed inserted," &c. The document is subjoined:

It is evident that husbandmen, in many parts of the kingdom, are likely to suffer severely from the uncommon heat and dryness of the season. scarcity of grass, the diminished quantity of hay, the failure in the crop of turnips, and the certain defciencies of straw, must in various ways be highly njurious to the farmer, in proportion as he experiences these calamities. The number of his cattle and his horses must be reduced, and even then they wil be ill-fed; while, from a want of litter, the quan-

It is a duty incumbent upon those who have directed their attention to agriculture, to furnish such are to be apprehended from the joint operation of so

REAPING THE CROP.—In many fields of oats and bailey, the straw is so short that it will be impossicases, short scythes may be used with advantage. the crop close to the ground or to collect the stub-

2. On straw-hay.—The second crop of clover this year, if the season be favourable, may still be productive; but when there is much wet, the second but it ought to be free from rain moisture, otherwise it may become mouldy. The clover is thus secur-

The quantity recommended is, either one hundred weight of salt to seven or eight tons of hay, or a peck of ground rock salt, if pure, to a ton of hay. But as rock salt is often mixed with sand or earth. manufactured salt is preferable.

4. LITTER.—A great diminution of dung, from the want of straw for litter, will be severely felt in the succeeding crops; this deficiency ought to be supplied by every possible means, as by collecting weeds,-the leaves of trees,-fern and heath,-or employing peat mould,-fine earth,-and sea, river,

or other sand, for that purpose.
5. FEEDING STOCK.—The deficiency of food for stock must be supplied by every expedient that can

One resource, would be to adopt the Flemish practice of sowing winter turnips, and which is likewise practised in some parts of England. As soon as the crop is reaped, the land should be light-

they are not apt to give any taste to the milk or but- be most profitably applied. ter. They are sometimes suffered to shoot; and cut, to prevent any risk of choking the stock fed are likely to encounter. upon them, which sometimes happens when turnips are small sized.

If the crop of turnips has failed, the farmer is earnestly requested, after harrowing the surface, and clearing it of weeds, to sow the field with rape. If this is done in the end of July, or first week of August, the produce will be very great. The crop answers well for sheep folded, and may be mown J. S. Skinner, Esq. and given to cattle, and even horses. The quantity of seed required, when sown broad-cast, is about fuller produce may be expected.

farmers should erect mills for bruising them, but small ones must employ the flail or mallet.

more or less intermixed with ordinary herbage, may tried it.

sea weeds. This dressing is peculiarly calculated for stiff soils. It is found in the Isle of Jersey, that half a bushel of powded kelp, if sown on a stiff soil in the winter season, or beginning of spring, will manure a perch or pole of land; consequently 20 bushels an acre. It is said that it gives a full ear to corn, and prefents its being laid.*

The variety of clives, the 33 varieties of the splendid camellia, the Standard, which, in circumference, is 28 percentages.

herrings. But it requires the garbage of 84 barrels volume? of herrings to manure a Scotch, or about 67 barrels It is by experiment alone (and that at but little

of April. Some would prefer folding sheep on the tions, and, by our united efforts, that we shall still economy and to ornamental planting. Permit me crop; and when given to cattle, they ought to be enabled to surmount the difficulties which we to remark, that no blame should be imputed to Mr.

JOHN SINCLAIR.

133 George-st. Edinburgh, July 15, 1826.

HORTICULTURE.

PRINCE'S BOTANIC GARDEN.

September 25, 1826.

Sir,-In one of your late papers, you have noticed the arrival at the celebrated garden of Wm. 8 lbs. per English, or 10 lbs. per Scotch acre, at 6d. Prince, Esq., on Long Island, State of New York, per pound. The earlier it is sown, the better and of the bust of Linnæus, the father of systematic botany. I have been highly gratified by the infor-Where furze or whins abound, they may furnish a mation; for I do not know of any situation where great and valuable supply, which might perhaps be this bust could with more propriety be placed. Conimproved, by having salt mixed with them. Large sidering the age of our country, and his limited re- ly a small one, of this invaluable collection Attensources, there is not a man living who has done as tively examine the catalogue, and let your children much to improve the botany of the United States at some distant day have it in their power to say, Heath-hay, or the shoots of young heath growing as Mr. Prince; and this too without any public aid, "my parents brought this here from William Prince's wholly relying upon the taste, patriotism, liberality, nursery in the year 1826." be mown and easily dried for winter use. This is and enterprise of his countrymen, to remunerate done in Strathdon, in Aberdeenshire and in the mure him for the expense which he annually incurs by done in Strathdon, in Aberdeensmire and in the more than lot the expense than 18 for the expense than 18 for the expense than the parts of Wigtonshire, and is found to be of importation from the various gardens of Europe, with Specimens OF Superb Grapes!! more value than many are aware of who have not Asia, and Africa, and for his constant and heavy expenditure for attending to and cultivating a garden My DEAR SIR, Linseed and oil-cake may be procured, either containing thirty-two acres closely tilled, and in I am very sorry to see in yours of the 22d ult. from the continent or from North America; and if which he has frequently employed from thirty to the little specimen of fruit I sent you was damaged to the probable scarcity of hay, that a travellers from the south and the north, from the honour to receive your statement with the basket; spirited farmer in Scotland proposes to import that cast and the west, who visit New York, the empo-yet I have not had baskets to send you more in time article from Holland. What an argument this is in rium of American commerce, spend thousands of as I wanted to do; for few of my friends in Baltifavour of irrigation, which would ensure a produce dollars, less to their own satisfaction and public more return the baskets. I now send you a small of hay in almost any season.

Notwithstanding all these aids there is likely to be a deficiency of manure for the crops of next year.

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Notwithstanding all these aids there is likely to garden of Mr. William Prince.

There uninfluenced by names, they would examine for themselves, and peaches and large Heath, as all my fruits, came Most fortunately the application of oil, as a means consulting taste as well as utility, each visitor would of enriching the soil, has been recently pointed out; take home, or order to be sent to him at the proper and, so far as that article can be procured, there is season, a selection of choice fruit, rare flowers, ornaburgh grapes, and Jersey and Guernsey ditto, and reason to hope that the deficiency pray be supplied.

Proofs of the efficiency of this mardre shall, as soon as possible, be submitted to the attention of the farmer.

This visit forms so pleasant an excursion by a good and they are the refuse and last of the fruit that can be found on the vine. It never bore before this where there is an excellent and spacious hotel to year, (three years old.) I find them worth propa-Another species of manure, which is but little at-accommodate select parties, that I am surprised gating. tended to in this country, is kelp, or the ashes of they are not more frequently pleased to view Mr. sea weeds. This dressing is peculiarly calculated Prince's splendid collection, to dine, and if necessa-

The resource of fish as a manure has not been suffi- tron, the 2S varieties of the splendid camellia, the 8 near Emmittsburg, which, in circumference, is 2S ciently attended to. In the rivers which run through varieties of gardenia, -- the laurus in varieties, inches, its weight seven and a half pounds. Though the fens of Lincolnshire, Cambridges hire and Nor- Chinese magnolias, myrtles, narcissus, 21 varieties by no means as large as some this Reverend genfolk, the small fish called stickle backs swarm in such of passion flower, 491 different roses, 160 pelargo tleman has raised, it is sufficiently of the mammoth abundance, as to be purchased at from 6d. to 1s. per bushel, and are successfully employed in forming composts. The refuse of the pilchard fishery in grapes, from which to select for every soil and cli-Cornwall ensures great crops. There is an immate of our union. Here we will find the date tree, mense herring fishery on the coast of Caithness, so precious in the burning sands of Africa, and which which produces much refuse or garbage, in the prowill stand the climates south of Virginia. But why portion of one barrel of refuse to fourteen barrels of should I attempt a list which would fill a small week, which weighed eight pounds two ounces.

an English acre. The effects of this manure, how-cost) we can ascertain what fruits, trees, shrubs, shrubs, heretofore thought too tender.

It is said that the Bostonians have evidenced great at two dollars the gallon. taste in their green-houses and pleasure grounds; if

broad-cast. They never grow large; but in Flan-with soil, would manure five English acres. It they cannot in their hot and green-houses embrace ders, they are greedily consumed by cattle; and it would be desirable to ascertain what would be the the whole of Mr. Prince's splendid collections, yet is there remarked, that when given to milch cows, expense, and in what manner this manure could his fine fruits are an object of deep interest, while his hardy and ornamental trees and shruhs, poster. They are sometimes suffered to shoot; and the cattle devour them in that state, till the middle will lend their aid to improve these hasty suggesbloom, are well calculated to give effect to rural Prince, if a pear, apples, cherries, &c. highly esteemed in Maryland, should not be approved in Massachusetts or in Virginia. I know by experience, that every fruit has its favourite soil and climate, and therefore to insure to ourselves fine fruit, we should try all, and stick to that which is best. The subscriber is annualty extending his collection from Mr. Prince's nursery-he does not experience any disappointment, every article, both hardy and tender, reaches him in perfect security, put up with such exact neatness, that there is nothing lost.

If the passage is long, all should be gradually exposed to light. Now commences the proper time for the removal of all deciduous trees.

My southern and western friends let me recommend, that you take home with you a portion, if on-

Port of Oxford, Sept. 26, 1826.

I am, dear Sir,

With due respect, your friend,

Colonel Carr, at his garden near Gray's Ferry, in the vicinity of Philadelphia, has this season, out ever. on waste lands, when first brought into culti-and plants, will stand our winters from Maine to of less than half an acre of vincyard, on a dry gravation, are hardly to be credited. It is calculated, Florida. The writer of these researches has success-velly hill adjoining the garden, sold 1200 pounds of that a ton of fish, moderately salted, in a compost fully introduced to open planting, many trees and grapes at from six to twenty cents per pound, and made two hundred and sixty gallons of wine, valued

* A large grape of delightful flavour.

^{*} Communications to the Board of Agriculture, vol. i, p. 219, 3d edition, p. 226.

-	TABLE	OF THE PRINCI	PAL KNO	WN WINES, AN	D OF T	HE QUANT	TTY OF ALCOHOL		
Where produced.	Generic Names.	Varielies.	Quantity of Atcohol in 100 parts.	Qualities.	Where produced.	Generic Names.	l'arieties.	Quantity of Alcohol in 100 parts.	Qualities.
Portugal	Red. Port	. (avcrage) Vinho de Ramo Collares	22.96 B* 15.62 P 19.75 P	Deep purple, rough, bitter, sweet, spi- rituous.		White. Hermitage	vin de paine	} — 17.43 B {	Less delicate in fla- vour. Amber color; sweet, luscious. Resemble Hermitage
	White. Bucellas Setuval		18.49 B	Pale straw; flavoui delicate.		Côte Rotie	Verinay	\{ 12.32 B \}	in flavour, but are weaker.
Spain .	Carcavellos White. Sherry	A montillado	18.65 B { 19.17 B }	Amber color, sweet Deep do_; nutty and aromatic		Seyssuel Clarette of Die		- {	Violet perfume. Light, sparkling, delicate.
		Paxarete (A. D. 1666)	, — { 18.94 B	Amber color, sweet and aromatic.		Red. Tavel Chuzlan Beaucaire	.	} - {	Bright rose color, fla- vour and aroma deli- cate.
	Malaga	Pedro-ximenes . Lagrima de Malaga	- { - {	Amber; flavour de- licate, rich, sweet Color deeper; sweet		St. Geniez Lirac Saint Lau- rence		_	Inferior.
	Malmscy of Sitges,	}. · · · ·		luscious. Resembles Malaga.		St. Joseph St.George		(Full rich color; flavour
	Priory Red. Tent, Tintille	,	13 30 B {	Purple; sweet; flavour strong, spicy.		White. Vip de	St. Peray, St. Jcan	_ {	of Ratafia. Sprightly; flavour of the violet.
	La Torre Peralez Segorve		_	Sweet		White. Fron tignan)	12.79 B	Luscious, flavour of the grape. Bright yellow colour;
	Vinaroz Benicarlo Carinena					Luncl Beziers	Clos-Mazet	15.52 B	less luscious than Frontignan. Resembles Sherry.
Majorca	Val de Penas Manzanares Ciudad Real White. Alba flor	\\ . \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	17.26 B	Resembles Claret.		Red. Roussil		18.13 B	Great body and color, become tawny when old.
France	White. Champaga	Ay, Hautvilliers, Ep	13.30 B	Still, of an amb. col. Brisk or sparkling, delicate flavour &		White. Roussil	rats] _ {	Bright golden color; fragrant aroma; fla-
	Charles Control of	ernay, Dizy, Avenay Avise, Oger, Pierry Closet, Lemeshil	<u>' </u>	aroma; slightly a- cidulous; but some are still, or at most		lon	Salces (Maccabac)	- {	vour of the quince. Similar; inferior to Rivessaltes.
		Cramont, Mcnil .]	simply creaming; generally paler than Sillery.		Red. Claret	(average)	21.24 P { 15.10 B	Red; somewhat rough; sweet.
	Red. Champagne	Verzynay, Mailly Bouzy, St. Basic Chamery, Ecuei		Good eolor and bo- dy, and a high agreeable flavour.		Tetal Grand	Lafitte, Latour, Lcoville, Chateau Margeaux Rauzan	{ - }	Deep purple; delicate flavour; violet per- fume.
	and the state of t	Villedemange . Clos St. Thierry .	}	Colour and aroma of Burgundy, light- ness of Champagne			(Graves) Haut Brion Haut Talant, Meriginac, Artimino,† Kissa.	13.37 B	Resemble the better sorts of Burgundy, but are rougher.
	White. Arbois Papillon Chablis	.	-	Inferior to Champ. but resembling in some of them			Gorce, Larose, Bran mouton, Pichow, Lon gueville	} - {	Light wines; of good flavour.
	Red. Burgundy	Romanec Conti, Cle Vougeot, Chamber	14.57 B	qualities. Beautiful, rich, pur		White. Claret	St. Emillon, Canon	_ {	Harsh; odour of burn- ing sealing-wax. Secondary quality.
		tin, Richebourg, Romanée de St. Vivan Tache, St. George); } —	site flavour with a full body, yet deli- cate and light.			Langoo, Cerons, Buze St. Nessans, Sancé Mon Basillac		Sweet.
		Volnay, Ponard, Co. ton, Vosne Nuit Beaune Chambol	s. I, } —	Excellent wines but inferior to the		Barsac		13.86 B	Amber color; full; aroma somewhat like cloves. Amber colour; sweet-
		Morey, Meurseaul Savigny sous Beaur Romaneche, Torin	s,)	Strong, generous	Germany	Sauterne White. Rhenis	sh Johannisberger (1788)	14.22 B	ish. High flavour and perfume.
	While. Burgundy	Chenas, Tonner Auxerre Mont Rachet	} _	wines High perfume and			Steinberg Rüdensheimer (1811)	_	Strongest of Rhine wines; sweetish.
		La Perriere, la Con hotte, la Goutte d'o	r,	nutty flavour.			Grafenberg	10.72	Like the former. Soft and delicate flavour.
		la Genevriere, l Charmes, Vaumor lon, les Grisées, Va mur, Grenouille		Rich, highly fla		Red. Rhenish	(Hock) Hocheimer (a verage) Leib)-\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Light; acidulous,
		Vaudesir, Bough reau, Mont de M	e- li-				frauenmilch, Schar lachberger Laubenheim, Nierstei	- }	Considerable body. Light; delieate per-
	Red. Hermitage	ly	e- 1 12.32 B	Dark purple; flat vour exquisite, a perfume resent		Red. Rhenish	Bodenheimer (1802)	13 96 Z	fume and taste. Delicate perfume and taste.
phy and where		sas, Baume, Ra	u }	bling that of the raspberry.		Moselle	Braunenberg, Pispor Zehingen, Wehlen, Graa	chl)	Light, pleasant flavour

^{*}B. means on the authority of Mr. Brande; P. of Dr. Prout; and Z. of Mr. Zez.

Where produced.	Generic Names.	Varicties.	Quantity of Alcohol in 100 parts.	Qualities.	Where produced.	Generic Names.	Varieties.	Quantity of Alcohol in 100 parts.	Qualities.
Huogary	Tokay		9.88 B	Brownish yellow when new, greenish when old.	Teneriffe Cape of	Teneriffe	Malmsey	16.40 B 19.79 B	Luseious, sweet. Resembles Madeira.
		Tokay Essence . Ausbruch		Syrupy, thick, muddy. Thinner and more vi- nous.		Constantia	Red Constantia . White Constantia .	14.50 F 18.92 B 19.75 B	Sweet, luscious, pun- gent.
		Maslas	-	Inferior to the two for- mer.		Steen wine Cape Mus-		10 60 P	Resembles Rhenish.
Italy	Meneser Montepulei-	Ædinburgh, Rusth, Ofen	- {	Sweet, resembles To- kay. Sweet, with high fla-		chat —– Madeira	(average)	20.51 B	Harsh, earthy taste. Yellow or topaz color;
rtan y	ano		16.20 P	vour. Brilliant purple; lus- cious aromatic fla-	Persia	Shiraz	White	19.80 P	sweetish; resembles Madeira.
	,	Aleatico · · {	16.20 1	vour. Greenish color and		Grape wine	Red	14.52 B }	Resembles Tintilla, with a pitchy taste. Resembles Rhenish.
	Verdea Trebbiano		_	high flavour. Golden colour, sweet. Pale straw color; light.		Raisin wine Currant do.	· (average)	20.55 B	Various.
	Albano Orvietto	Montefiascone	_	Both red and white; light.		Gooseberry Elder wine Orange do.		11.84 B 9.87 B 11.26 B	Brisk like Champagne. Thick, narcotick. Sweet, luscious, fla-
	Laerima }	V Comme Collin	19.70 B {	Red, luscious, sweet. The best Lacrima.		Cider Perry		9.87 B 7.26 B	vour of the fruit.
		Monte Somma, Gallitte Ischia, Nola, Ottajano Novella, Torre deGre	,	Second-rate wines.		Mead Sycamore (Juice fermented with	17.32 B	Sweet.
612 - 13m	Vino Greco Marzala	eo, Pozzula	25.9 B	Sweet.	Barbary	Usuph }	water in which raisins are steeped.		
Sicily	Marzaia	Twenty-one years old submitted to Soem	18 40 P	Resembles Maderia.	Nepaul	Sihee	A grape wine Fermented juice of the		Strong and harsh.
	Syracuse	mering's process five	15.28 B	Both red and white.	Hindostan	Tari	Palmira tree, Borassus flabelliformis, Callu, Tieldy, Saura.		
	Etna		30.00 P	Resembles Maderia, with the harsh flavour		Sinday {	Fermented juice of Elate sylvestris, the		
Ithaca	Lissa Red wine o		15.90 P	of Sicilian brandy. Resembles Claret.	China	Cha Mandurin	wild Date. Nearly the same as Tari Boiled rice fermented.		
Cephalo-	tthaca Cephalonia		_ {	Hermitage flavour. A dry red wine.	Tartary	Koumis Airen	Fermented mare's milk Fermented cow's milk		
nia Candia	Rithymo			A fine flavoured white		Kanyang-	The flesh of the lamb fermented with rice and other vegetables.		
Cyprus Tenos	Vino Santa Tenos		=	Pate straw color; sweet Luscious, sweet.	Africa	Millaffo Pombie	Fermented juice of the palm tree, Congo. Ferm'd millet, Caffres		
Tenados	Red Musca dine White Mus		_	Resembles Tokay. Luscious, sweet.	Brazil	Kooi {	Fermented juice of Apples.	-	
Smyrna Madeira	cadine Madeira	. (arerage	22.27 B	Full nungent nutty	Mexico	Palque Birch	Fermented juice of the Agave.		
-		Sercial . (West Indies (average		or bitter-sweet, rich aromatic flavour.	Norway	wine	Juice of Brtula alla fermented with sugar		

RURAL ECONOMY.

CIDER.

(From the American Sentinel.)

Much has been written on the subject of improving cider in various ways, such as straining it from the press, by filtration through sand or coal, by boiling, freezing and racking, and by the addition of other ingredients to strengthen and improve it .-Many of these and other modes are doubtless very old fashioned trough and wheel mill, until complte brandy, and I am told that they pay more, and beneficial.

But my object is to point out and convince the practical farmer, by stating plain, simple facts, that the must impurtant part towards having good cider is in the making-to obtain the strength and spirit from the apple, in the first place, and that in many, sweet apples make the best liquor, or that it is impor tant that the fruit should be ripe and not defective, and hasty manner in which the work is done. It is

in three or four hours a cheese or pressing is made hard apple, and force out the juice and you will up, the screws forced upon it immediately, and in a find it thin as water, white and sour. bruise the short time the work is done.

ples, will have a watery appearance at the press, same colour, sweet and rich. and an actual sour flavour, and suon as fermented and an actual sour flavour, and suon as fermented will inevitably have a light colour, and be hut little the pumice. In New Jersey and the south, the disdifferent from poor weak vinegar, and poorly com- tillers never practice purchasing cider, but receive pensates the maker. The mode in which rider a certain number of bushels and parts of bushels of ought to be made, would be to grind the fruit in the apples, (as may be agreed upon,) for a gallon of ly crushed to a pulp; then remove it into a vat, and are themselves better paid, than our cider distillers; let it remain in a mass until there appears a slight they grind them, and ferment the pumice unpressfermentation upon it, which will be varied by the ed, in vats, and distill the whole mass; it makes weather and ripeness of the fruit from one to three what they call the apple brandy, and has a flavour days; then put it to the press, and not work it off too of the seed, which makes it differ from our cider fast on account of having it clear. Your pumice in brandy, which flavour is more or less liked.—acif not in most cases, it is not extracted from the pu ice. It is needless to state that the rich, dry, cider will partake of the same colour, and if not thought that our cider distillers would find it promade too early in the season, will have sufficient fitable to erect vats, and send round and gather body to carry it through the next summer, and a pumice from the presses in their neighbourhood,

mon use) and put immediately on the platform, and To convince you that I am correct, bruise a sour other side, and let it remain a few days, and you Such eider as this, and made from sour hard ap- will find the bruise a deep colour, and the juice the

clean and dry: these things are generally and well good foundation to work upon if you wish to im understood. The great error lies in the imperfect prove it. (which is always wholly useless,) and ferment and distil it. I may be in an error, but I think it would rove it.

My objection to the nut-mill is, that it merely be an experiment by those fitted for it. The usually the case that several make their cider at one mill, and each are allowed but a short time; the apples are broken in a nut-mill (the kind now in com-

PERPENDICULAR GRAIN MILL.

A mill, constructed on a new principle, is now in Harris and Wilson, of Albany. It is called the these artificial rivers. We have taken the pains to "Perpendicular Grain Mill," and may be worked by obtain the number of arrivals at this city, and the steam, horse or water power. It occupies but a very result is as follows: small space, and though the stones are but about 27 inches diameter, and require only a one horse power, it will grind four bushels of wheat per hour with case, and produces excellent flour. The stones, instead of being placed horizontally, are fixed in a perpendicular position, and are brought in closer contact, or separated at pleasure, by means of a screw. They perform two hundred and fifty evolutions in a minute. The machinery is simple and cheap in its construction, and not liable to get out of repair .-This mill is adapted to all the uses of the common grist mill, and has been found to be excellent in grinding paints in oil.

SPINNING FLAX.

Messrs. Hunt & Hoskins, of this state, have invented a machine, for which they have taken out a patent, for the purpose of spinning flax. A small model may be seen by those who have any curiosity to examine what we believe to be a very valuable invention, in the large room at Tammany Hall. As the work has always been done by the fingers, one person could only attend to one spindle. By the present machinery, a woman, it is said, can attend to 80 spindles; and it is obvious that if the culture of flax be attended to in this country, with a view to its domestic manufacture, and should this invention succeed, linen goods may at no distant time become nearly as cheap as cotton.

[N. Y. Ev. Post.

INTERNAL IMPROVEMENT.

CHESAPEAKE AND OHIO CANAL ESTI-MATES.

A letter to the editors, from one of the most re spectable gentlemen in Berkley county, Va., states that he has examined, with some interest, the statement of prices by which the Engineers have esti mated the cost of executing the work on the Poto-mac Canal, and that they very far exceed the ac-They are particularly injurious to children, from mated the cost of executing the work on the Pototual prices at which the same articles sell in market cloying their delicate stomachs. Young children on that route. Lime, for instance, he has himself are in general better without sugar, as it is very apt purchased by retail, of a very beautiful as well as to turn acid and disagree with weak stomachs; and excellent quality, for 122 cents, and he doubts not the kind of food they take has natural sweetness a contract by the quantity, might be had at 10 cents. enough in it not at all to require it. With regard to bricks, he is convinced they could he purchased for three and a half or at most four dollars per thousand. Daily labour, too, which is estimated at 100 cents per day, he says he finds no difficulty in procuring at 40 cents, and when hired stimulates weak or disordered stomaches and already stomaches are stomaches and already stomaches are storaged at 100 cents per day, he says he finds no butter, and cheese, is very beneficial, as it naturally stimulates weak or disordered stomaches are storaged at 100 cents per day, he says he finds no butter, and cheese, is very beneficial, as it naturally stimulates weak or disordered stomaches are storaged at 100 cents. This is exclusive of the board; but, every thing in has a contrary effect. Very little salt should be used But an excess of it, and especially of unripe fruit, is cluded, any number of hands, he says, may be had at an expense not exceeding eight or nine dollars per month. He says he might go through the whole list of articles, as far as they come within his knowledge, and shew the same misealculation, had he time, or were it necessary. With all the mass of evidence on this subject, he asks, would it not be possible to get the Secretary of War to have the best for phlegmatic, cold, and moist stomachs; and FLOWERS estimates made on a more reasonable scale?

Upon this suggestion we remark, that the quantity of work to be done, being estimated, it will be very easy to graduate the total cost to the ascertained price, at which the several items of labour and materials can be obtained. If the cost of the assists digestion, is good for hot stomachs, resists particular items may be estimated 50 or 100 per putrefaction, and therefore very good against pescent, too high, the total estimate will of course be tilential diseases. Foo much use of it injures the reduced accordingly.

INCREASE OF CANAL NAVIGATION.

We presume that but a few, even of those who operation on the property of General Van Renssa- are in the daily habit of seeing boats pass and relaer, near Albany, which is said to execute work pass upon our canals, are aware of the constant and with great facility. It is the invention of Messrs. rapid increase of business through the medium of

> - 1,329 boats. In 1823 there arrived 1824 2.687 3,336 1825 -1826 to 1st Sept. 4,380

It is probable that the arrivals this year will not be far short of SEVEN THOUSAND; and there the general practice, relaxes and weakens the tone is every prospect that the increase will in future be in the same ratio with the past, until it will become the locks, or adopt some other means, to facilitate the transportation of the products of the west, which market. When the Ohio canal shall have been com pleted, an immense sum will be added to our canal revenue. [Albany Advertiser.

LADIES' DEPARTMENT.

BUTTER.

Well made pure butter is lenient and nourishing. caten cold, in moderation, with bread. But upon hot new bread, or hot toast, or used as sauce to animal food, it is not wholesome. In the two first instances it is very apt to turn acid in the stomach; and in the latter, to float uppermost in the stomach, and disturb the digestion. If melted thick and carefully, and eaten with vegetable food and bread only, it is not so hable to this objection.

for such as are bilious, asthmatic, or corpulent.

SUGAR.

Sugar used in moderation is nourishing and good, prove injurious even to them. but much of it destroys the appetite, and injures the digestion. Moist sugar is the sweetest, and most opening; refined sugar, of a binding nature. The preparations made of sugar, such as barley-sugar, sugar-candy, &c. are all indigestible and bad, as the good properties of the sugar are destroyed by

Salt, moderately used, especially with flesh, fish, by the month, at six dollars-ordinary hands at five. fermentations. But if it be immoderately used it larly as correcting the grossness of animal food. with vegetable food of the grain or seed kind; for productive of many diseases; amongst children in the less salt that is put to it the milder, cooler, particular, it often occasions such as the nettle rash pleasanter, and easier of digestion it will be. Salt and St. Anthony's fire. excites the appetite, assists the stomach in digesting crude phleguratic substances, is cleansing, and premost injurious to hot, lean bodies.

Salt-petre is particularly bad for bilious persons.

VINTGAR.

Vinegar is cooling, opening, excites the appetite, nerves, emaciates some constitutions, is hurtful to

the breast, and makes people look old and withered, with pale lips.

The best vinegar is that which is made of the best wines. Lemon-juice and verjuice have much the same qualities and effects as vinegar.

The commonest vinegar is least adulterated.

Mustard quickens the appetite, warms the stomach, assists in digesting hard meats, and dries up superfluous moisture. It seldom agrees with weak

TEA.

of the stomach, whence proceeds nausea and indigestion, with a weakness of the nerves, and flabbiabsolutely necessary to make another canal, double ness of the flesh, and very often a pale wan complexion. Milk, when mixed with it in some quantity, lessens its bad qualities, by rendering it softer, must all concentrate at this point on their way to and nutritious; and, with a moderate quantity of sugar, it may then be a proper breakfast, as a diluent, to those who are strong, and live freely, in order to cleanse the alimentary passages, and wash off the salts from the kidnies and bladder. But persons of weak nerves ought to abstain from it as carefully as from drams and cordial drops; as it causes the same kind of irritation on the tender delicate fibres of the stomach, which ends in lowness, trembling and vapours.

It should never be drank hot by any body, green tea is less wholesome than black or Bohea.

COFFEB.

Coffee affords very little nourishment, and is apt to occasion heat, dryness, stimulation and tremours of the nerves, and for these reasons is thought to refully, and eaten with vegetable food and bread occasion palsies, watchfulness, and leanuess. Hence it is not so hable to this objection.

Butter is good for dry consupated habits, but not dry, and bilious constitutions. If moderately used it may be beneficial to phlegmatic persons, but, if drank very strong, or in great quantities, it will

Is rich, nutritious, and soothing, saponaceous, and cleansing; from which quality it often helps diges-tion, and excites the appetite. It is only proper for some of the leaner and stronger sort of phlegmatic constitutions, and some old people who are healthy, and accustomed to bodily exercise.

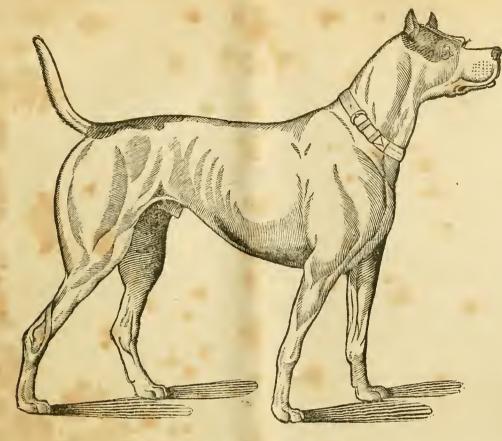
Fruits are of different degrees of digestibility. Those of a hard texture, as some kinds of apples, melous, apricots, several sorts of fleshy plums, and all immature fruits, are difficult of digestion.

Strawberries, raspberries, currants, gooseberries, cherries, green-gages, peaches, nectarines, melting pears, mulberries, figs, grapes, medlars, when all quite ripe, are more easily dissolved in the stomach.

Fruit, moderately eaten, is wholesome, particu-

Fruit invariably disagrees with bilious persons; but is a sovereign remedy for the sea-scurvy, and

With each expanding flower we find Some pleasing sentiment combined; Love in the myrtle bloom is seen; Remembrance to the violet clings; Peace brightens on the olive's green; Hope from the half-closed iris springs; And victory on the laurel glows; And Woman blushes in the rose!



PORTRAIT OF JACK,

The terrier dog, son of English Billy, imported (to Baltimore in September, 1826, along with the terrier bitch Rose; the former 15 the latter 12 months old. See American Farmer, Vol. 8, p. 207. We are thus particular in recording what relates to these dogs, for the sake of preserving the means of tracing hereafter, as there will doubtless be occasion to do, the pedigree of their progeny.

It will be seen that the gentleman who took great pains in procuring the best to be had in England, says they are both out of celebrated fox terriers. The sporting books and works on natural history

inform us, that in England every pack of hounds is accompanied by a terrier, on account of their expertness in forcing foxes from their holes. With us they might be employed for the same purpose with equal advantage. But they are more used and valued for their natural antipathy to rats, mice, and other animals of that sort. Touched, as Jack is, with the blood of the bull dog, they become also formidable watch dogs, willing and capable to defend the stable, meat house, poultry yard, &c not only from rats and mice, but from mischievous and thieving curs, whether of four or of two legs!

SPORTING OLIO.

BLOOD HORSES.

(From the New York Evening Post.)

Great exertions have been made by a few gentlemen in this city and the neighbouring towns, to improve the breed of horses from the best blood and stock that could be procured, nor have they laboured in vain. With an Eclipse to build upon, they have reared colts that are able to contend with any thing hitherto brought against them in the field Several have been purchased at enormous prices and taken out of the state, but we have materials enough left and can raise more. We are unques tionably indebted for our best stock thus far, to direct importations from England, and although it is not perceptible that the breed deteriorates in this country, yet we are pleased to learn of the recent arrival of the bay colt Valentiae, imported during the last month, in the ship Dalhousie Castle to this city, the property of Thomas Connah, who came out with him, and consider it a great acquisition to the stock of this state. He is now at Bathgate's stables, Westchester, and will be four years old

next grass; he will be exhibited at the next show of horses at the Union course, and his speed and buttom fairly tested, should no accident prevent his running. In the mean time for the benefit of sports- ledge of this subject. men, it may not be improper to give his pedigree contained in the following letter from Holdsworth's stud groom to T. Connah.

Farnsfield, Feb. 23, 1826.

Pedigree of bay colt Valentine; he was bred by Mr. Holdsworth in 1523, got by Magistrate; dam Miss Forrester by Diamond; grand dam by Alex ander out of Capt. Absolute's dam, by Sweet William; Thetis by Chymist; Curiosity by Snap.

Magistrate is by Camillus, dam Lady Rachel by Stamford; her dam, Young Rachel, by Volunteer out of Rachel, sister to the Maid of All Work, by

High Flyer.

Above you have the pedigree of the colt bought by Mr. Wm Coates, for you, and I have no doubt of bis giving every satisfaction; he is perfectly sound, his colour good, viz. blood bay with black legs, and being near 16 bands, cannot fail answering your purpose well. I am, sir, your obedient servant, JOHN WINANT. JOHN winant.

Miscellaneous.

MILLS' ATLAS OF THE STATE OF SOUTH CAROLINA.

The liberal and patriotic state of South Carolina as effected a work which no other state has yet ione, and which the proudest empires of the old world have failed to accomplish: namely, an Atlas of its own territory, projected on a grand scale, and embracing every district or county in it on separate sheets.

In a letter from one of the first houses in Philadelphia, (publishing works of this kind,) to Mr.

Mills, we find the following remarks:

"Your Atlas of South Carolina is an extraordinary work. There is not at this time a single country in Europe that has an atlas equal to it; and it is only now that France is about to have one on a similar scale. How much more extraordinary would it appear to have an atlas devoted exclusively to Brittany, Normandy or other parts of France, as yours is to one of the United States. Considering it an extraordinary thing, we are desirous of sending a copy of your first sheet to one of our friends in France, editor of one of the principal journals, who notices all such matters, and would be very glad to have it as a specimen of what is doing here."

The Atlas of South Carolina is of the largest size imperial, and contains 28 maps, corresponding to so many districts or counties of which the state is composed, projected on a scale of two miles to the inch. Some of the maps occupy a space on the sheet equal to 1000 square inches; the whole are engraved in the handsomest manner by Tanner, well known for his talents in this art. The frontispiece displays a general map of the State, accompanied by a brief statistical view of the same, beautifully executed by the house of Fielding Lucas, Esq., of this city, at whose bookstore a copy of the Atlas is deposited for inspection.

To accomplish this great work South Carolina has spared no expense. Fifty thousand dollars have been expended in making the surveys, which were to include all the judicial divisions of the state un-

der separate heads.

The noble example set by South Carolina in perfecting a work of this important character, and the efforts made and making in other states to effect the same object, should serve to encourage and stimulate the legislature of our State to do the same thing. The expenses of making surveys would not be very great at the present time, in consequence of the extensive topographical examinations which are now making in various sections of the State, with reference to internal improvement; and how much would such a work aid us in a right know-

In connection with the Atlas of South Carolina, there is another state work of equal interest, which Mr. Mills has prepared, and which is now in the press; namely, the Statistics of South Carolina-embracing both a general and particular view of the state under the several district heads.

In order to obtain, without much difficulty, correct information on the subjects treated of in this work, Mr. Mills distributed a circular through the state, containing queries, to which answers were requested:*

History of the settlement-Origin of its name-Situation—Boundaries--Extent-Nature of soil-Pro-

^{*}As the subjects to which these queries alfude are interesting to us also, we have included them here, and would invite the attention of our citizens to the propriety of collecting information on them, as opportunities or leisure occur, especially now, whilst we have

lages--Lakes--Creeks--Streams navigable, or other- M. named this finny hermit, would receive from wise-State of the roads-Value of land-Division of Mr. M's hands, snails, worms, &c. and always seem-property-Taxes-Price of grain and other provisions ed pleased at the presence of its feeder, frequently -Market—Timber trees, fruit trees—Expenses of moving the surface of labour—Climate, discases—Instances of longevity—Population—Commerce, manufactures—Cattle, sheep, swine, fish, game, birds—were instantly devoured by the solitary inmate, and the surface of the well, which the solitary inmate, were instantly devoured by the solitary inmate, and the solitary inmate, were instantly devoured by the solitary inmate, and th Number of Poor, management and expense of them who had increased in size, and weighed about 2 lbs. -Number of blind, deaf, dumb, and lunatick per- Time had changed poor Ned's appearance, once sons-Education-Schools, publick, private, and being a fat, well proportioned trout, but lately refree—Number and class of religious sects—Eminent men—Customs—Names of places, Indian or
other—Rocks, granite, free-stone, soap-stone, shell
or compact lime-stone—Mines—Metals—Minerals—
visited and considered as a curiosity by the neigh-Materials for building-Waste land, swamps, quantity reclaimed, expense of banking-What improvements seem wanting-Agricultural and other Societies-State of the Arts and Literature, &c .- Miscellaneous remarks.

A FRIEND TO INTERNAL IMPROVEMENT. Baltimore, Sept. 23, 1826.

THE UNIVERSITY.

arranged the plan of a public examination, to take place at the close of the present session. There will be a thorough examination of each particular class, in the respective branches of education, and honorary distinctions will be awarded to such students as shall deserve them, by the superior merit of their these delicious fish will attain, and how rapid are attainments. The examination will be conducted their growth. so as to afford a fair and full opportunity of testing the proficiency of each student in his class. We have not learned the details of the plan; but they will be made known in due season. This step will tend at once to develope the talents of the faculty and students of this institution, and to furnish evidence of the advantages of the plan upon which education is here conducted. We entertain a confident hope that its result will be highly satisfactory to all who feel an interest in the progress of letters, and in the success of the University particularly.— Amid the numerous institutions of learning which are springing up in our country, and extending their happy influence far and wide over our community, the University of Virginia occupies most deservedly an elevated rank. It is the meridian light of Virginia, and its destinies involve the best hopes and most brilliant promise of our state. We venture to affirm, that the expectations to which it has given rise, will be fully answered.

We take this occasion to remark, that the library and apparatus of the University have recently received many valuable accessions. The books pro cured in Europe, by the agent of the institution, have been received, and are placed in the room of the rntunda, destined for their reception. The rotunda is almost entirely complete, and is finished in the importer of a large tlock of Saxony sheep, and that taste and elegance in which it was designed by the most extensive cultivator of the vinc in South the masterly mind of its immortal patron. The ut- Carolina. most order, and the steadiest application have, of late, distinguished the students of the University, Farmer, will receive and transmit orders for fruits and every thing seems to contribute in advancing trees, vines, ornamental trees, and shrubbery flow the great plan of intellectual cultivation. May God speed the good work!

Charlottesville, Sept. 16.

LONGEVITY OF A TROUT.

Fifty-three years ago, Mr. William Mossop, of

ductions-Amount per acre-Value-Towns-Vil-dented for the last sixty years. "Ned," as Mr.

bouring country for many years.—London paper.

Mr. James Jackson, of Islip, (L. I) is making a similar experiment with a trout. When it was taken and put into the well, or spring, three years since, it did not weigh two ounces. Last March it was taken out and when put into the scales found to weigh over two pounds. It will rise gently from the bottum of the well and feed out of the hand And what is very remarkable, it will suffer none of the finny tribe to occupy the same cell, not even one The faculty of the University of Virginia have of its own immediate family. Several different kinds of fish, and among them trout of large size, have been put into the well, and all have been immediately attacked, and ultimately killed by this lord of the castle. The object of keeping him a prisoner, is to ascertain, by good feeding, the size to which

To the Lovers of Good Beer.

Put two quarts of molasses into a keg with ten gallons cool water. Buil two ounces alspice, two ounces ginger, two ounces hops, and half a pint of Indian meal, in two or three quarts of water about an hour; strain it into the keg while hut, add one pint of yeast; shake it well together, stop the keg nearly tight, and let it stand about twenty-four hours, when it will be fit for use. The whole expense of this quantity will not exceed three shillings.

THE PARMER.

BALTIMORE, FRIDAY, OCTOBER 6, 1826.

G-QUERE.-Who has for sale a thorough bree stallion horse, of good size, large bone, blood bay or dapple grey, of elegant figure? He need not be l'amed as a rucer, provided his pedigree is clear and undoubted, but must be a smart traveller, of gnoo disposition-in short, a horse every way fit to breed

Col. Brightup is mentioned in the "Pioneer" a

BG. F. Miller, at the office of the American ers, &c. to William Prince, Esq of New York whose establishment is noticed at page 227 of this number, by a gentleman of first rate taste and judgment.

CONTENTS OF THIS NUMBER.

Premiums proposed by the Maryland Agricultural So Board-hall, near Broughton in Furness, when a ciety for their next Cattle Show-Hints to Farmers, b bey, placed a small trout in a well in the orchard Sir John Sinclair-Prince's Botanic Garden-Super belonging to the family, where it has ever since remained until last week, when it departed this life—not through sickness or any other infirmity attending old age, but rather for want of its natural support, water, the severe drought drying up the spring which supplied the well; a circumstance unprecession of a supplied the well; a circumstance unprecession of cardina—Prince's Botanc Garden—Superb Grapes—Large Egg Plant—Protatoes—Table of Wines, with their quantity of Alcohol—Cider—Perpendicular—Superb Grapes—Large Egg Plant—Protatoes—Table of Wines, with their quantity of Alcohol—Cider—Perpendicular—Of crain Mill—Spinning Flax—Canal Estimates—Increase of Canal Navigation—Observations, butter, sugar, &c.—Flowers—Prince's Editance Garden—Superb Grapes—Large Egg Plant—Protatoes—Table of Wines, with their quantity of Alcohol—Cider—Perpendicular—of Canal Navigation—Observations, butter, sugar, &c.—Flowers—Prince's Editance Garden—Superb Grapes—Large Egg Plant—Protatoes—Table of Wines, with their quantity of Alcohol—Cider—Perpendicular—of Canal Navigation—Observations, butter, sugar, &c.—Flowers—Prince's Editance Garden—Superb Grapes—Large Plant—Prince's Editance Garden—Superb Grapes—Table of Wines, with their quantity of Alcohol—Cider—Perpendicular of Canal Navigation—Constitution of Canal Na

	PRICES CURRENT.								
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E	BACON, and Hams,	lb.		5		3		9	12
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(COTTON, Louisiana, &c.			11	•	13			, , 20
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6	each number to No. 18. CANDLES, Mould,		ı	21		14		16	18
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	do. Red, Susque	_		90		93		j	
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1	Ruta Baga Seed,	lb.	1	87	1	00			
	Orchard Grass Seed,	bush	3	00) k		3	50	scarce
	Mangel Wurtzel Seed,	-	1	25				50	
	Timothy Seed,	-	4	00 46			4	50	scarce
1	Oats, Beans, White,		1	50	1	70	1	37	
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1	Do. Country	_	12	0	13	0			
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ij	HOGS' LARD,	112		7		10		12	
į	LEAD, Pig	lb	•	71/2		8			
ș!	LEATHER, Soal, best,	1-		22		28		32	
	MOLASSES, sugar-house	gal.		46		50		621	75
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e	RICE, fresh,	tb	- 1	24				5	
d	SOAP, Baltimore White		-	5.1		7.1		18	1 20
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d	PEACH BRANDY, 4th p.			75				25	30
	APPLE BRANDY, 1st p SUGARS, Havana White			29			1,	50	
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h	Louisiana, Loaf,	lb.		19		22	1	20	11
	SPICES, Cloves,	-	1	70			1	00	
n	Ginger, Ground,	-	1	7		12		12	
,	Pepper,	-		163		17	1	25	
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SKINNER, Editor, by John D. Tov, corner of St. Paut and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

ON THE USE OF LIME IN AGRICULTURE

(From the 3d vol. of Memoirs of the board of Agriculture of the state of New York.)

Lime has been long and profitably used in some of the counties of Pennsylvania, in the business of husbandry. It has stood the test of experience, and many farmers who had abstained from its use, on the introduction of gypsum, are again resorting to it, we are told, as the cheapest and surest means of York than it has proved in Pennsylvania, and in Great Britain. At all events, as lime exists in great abundance in most of our counties, it is of importance that the question should be settled by careful and repeated experiments.

The importance of the subject induced us to write to Pennsylvania, for such information as might serve to guide us in the application of this useful fossil for the improvement of our farms. The two letters which follow have been received in reply to our inquiries. They come from practical farmers, and although the information which they contain is not so full as we wished, it is nevertheless sufficient, we hope, to induce the enterprizing cultivators of our state to give the subject a fair experiment.

It may not be amiss to state the qualities of the Pennsylvania lime-stone, and to remark, that we shall endeavor to obtain an analysis of specimens of our own state; which, if we obtain in time, shall be inserted in a subsequent page of this volume.-Professor (now president) Cooper examined specimens of the former, obtained from nine different localities. The results of the analysis were as fol-

				Pure	Silex.	Alu-	Carb. of
				lime.		mina.	Magnesia.
No.	1-	100	parts gave	83	3	2	12
	2	ec	"	81	3	2	14
	3	66	66	80	4	2	14 .
	4	66	cc	76	4	6	14
	5	66	66	81	5	2	12
	6	66	46	82	ဂ္ဂ	0	16
	7	66	66	85	1	0	14
	8	66	66	85	1	0	14
	9	"	cc	54	25	6	4

Of these, No. 7 is regarded as the strongest for building or for land, and No. 9 the weakest. according to their reputation in the neighborhood * Magnesia, in the proportions indicated in the foregoing results, is not prejudicial to vegetation;though a greater proportion (22 per cent.) has, ac-cording to Teffnaut, been found injurious in Great adopted in common with my neighbors is, in the Britain.

Forge, Nov. 8, 1824.

J. BUEL, Esq.

I have to inform you that, until within the last two or three years, it was but little used as a manure in this neighborhood; it is now more used, and on all enough to handle, it ought to be hauled on the land soils; some farmers put on first, from thirty to forty already marked. and a half-bushel deposited in the bushels per acre, and in two or three years afterwards, about the same quantity; the general opinion is here, it operates on corn and clover the soonest. It is put on the land in different ways here; but generally the land is first ploughed, and the lime hauled out of the kiln before it has slacked, well harrowed. This method I prefer for Indian and clover. Yet I consider lime as the real mother and put on in about one bushel in a heap; and as corn, barley, oats, rye and potatoes. On all the soon as it is slacked spread immediately, and har above crops I have experienced a great benefit from soon as it is slacked spread immediately, and harrowed twice over and then ploughed in; and in dry weather it often happens that we have to haul wa-

ter to slack it. Others have the ground all ready better, and can be more intimately mixed with the for seeding, and haul the lime and put it on the soil. same way, and as soon as slacked, spread it and harrow it twice over, and then sow the seed and tity of lime that is most profitably applied. Some harrow it twice over again, which mixes it very well say 60 bushels on the acre, some 70, and some more, and keeps it near the surface of the ground; this I have applied 100 on an acre of lime stone land, at method I think the best;-both the above methods a dressing; but have not been able to discover any are here used. I have had put on my land this season between seventeen and eighteen thousand bushels of lime, and have put it on in both the above ways. and have not put on less than sixty or seventy bushels per acre, nor more than one hundred. I have plied, except it has been mixed in a compost of increasing fertility to the soil. We believe that, on no hesitation in saying, that I have experienced fifty per cent, benefit in corn and grass; in our wheat practiced in the lower counties of this state; though crops I cannot yet so well judge the benefit, not having limed my land more than two years past, the basis of melioration. By this management they but have not the least doubt but I shall be amply have raised their lands from an impoverished state, repaid for all the cost and trouble of the lime. Our produced by injudicious cropping, to such a state lands here are nearly all lime-stone land, and of a of fertility, as. I am informed, to enable them to fat-good quality, and will bear more lime than land of ten a bullock of six hundred weight on an acre, and the poorer soils agree best with lime, and receive another. the most benefit from it; and no doubt it is the case. Sandy soils are greatly improved by the use of Some are of the opinion that lime stone land is not lime. I lately purchased some of that kind, which much benefitted with lime, particularly for wheat was originally covered with chestnut timber, and crops, though that is not my opinion; and should I was called mountain land. It had been cleared sebe spared a few years, I shall be better able to venty years; but lying a distance from the farm judge, as I have, for these last two years, been buildings, had never received any manure but a liming my land on a tolerably large scale; and have dressing of lime. This land I have had repeatedly not the least doubt but I shall be fully recompensed farmed since I owned it; and although to appearance corn we have already experienced the profit.

I remain, dear sir, very respectfully, your hum-e servant. CYRUS JACOBS. ble servant.

Letter from Daniel Buckley, Esq. dated Salisbury, Pa. Dec. 19, 1824.

J. BUEL, Esq.

lime upon various soils, the methods of application. its duration as a manuro, on what eraps most imme-liately useful, and on what remotely, the quantity applied, and at what intervals repeated, the price, &c. A want of confidence in my ability to answer these queries suitably, will compel me to confine my remarks principally to the spliere of my practice and personal observation.

The land which I cultivate, according to M'Clure's The treatise, is transition, composed of white and yellow first four are strong lime-five and six of medium clay and lime-stone, much of the latter appearing quality, and No. 9 nearly equal to No. 7: that is on the surface, intermixed with flint. Upon this soil I have made a liberal use of lime ever since the year 1790, and think I have been well rewarded for the expense and labor, by the increased value of my crops.

first place, to plough up a sod field with a strong team, in the spring or fall, harrow it the way it is Letter from Cyrus Jacobs, Esq. dated Spring Grove ploughed, and mark the field into as many squares as you intend to put on half-bushels, say 100 on the acre, which will bring the furrows about 20 feet Dear Sir-In answer to your queries about lime, apart each way, and require 50 bushels to the acre. This quantity I have found to be most profitable.—25 dollars per hundred bushels, delivered on the When the lime is burnt, and as soon as it is cool field, at ten niles distant from the lime-kiln, and centre of each square, in as compact a heap as possible. If water is convenient, I preser to slack the lime immediately, rather than to wait for rain, as it soon as it has slacked, it is immediately spread and at the rate of a bushel and a half, on rye, timothy becomes finer and can be more evenly spread. As lime the first year after its application. With potatoes I add about 15 two-horse loads of barn-yard

There are good farmers who differ as to the quanbenefit from using it thus freely, nor any injury, except in the loss of lime.

Wheat seldom receives any benefit from lime until the second or third year after it has been apyard minure and earth. This method is much poorer quality; but it is the general opinion that to cut grass from the same acre sufficient to winter

for it, both in my wheat crops and other grain; in it seemed to be almost a caput mortuum, with the aid of ten or twelve four horse loads of the gleanings of a yard of a public house, it has produced as much, and as good wheat, rye, oats, timothy and clover to the acre, as any land in the township in which it lays. I consider the liming which it had fifty years ago as the principal cause of its fertility. It is a general opinion amongst good farmers,

Dear Sir—I received your favor of the 16th No-vember, requesting information as to the effects of years, and that the increased crops richly compensate the mener it matter spread the entities anter it is slacked. If suffered to air-slack, or to lie after it has been water-slacked, it re-imbibes car-bonic acid, which the fire had expelled, becomes lumpy, and is more difficult to be incorporated with the soil. Some spread it upon the sod, and plough it under, and hink they have as much profit from it in this way is in any other. When thus applied, it powerfully contributes to decompose the tougher fibres of the sid, and to convert them into nutriment for the crop.

The price of lime is governed by the price of wood, the distance the stone has to be transported, the construction of the kiln, and the experience of those who burn it. Where wood costs but one dollar a cord at the kiln, where the stone has to be carted not more than the fourth of a mile, the kiln well constructed to contain 800 or 1,000 bushels, and the workmen understand their business-the lime can he sold at eight dollars the hundred bushels at the lime-kiln, and leave to all concerned a fair compensation for their labour and expense. I have paid think I could not have applied my money to better advantage. This was applied to land of the old red-stone formation. The produce has far exceeded my expectation. I however make use of barnyard manure and plaster of Paris; the former at the rate of ten four-horse loads the acre; and the latter of all the sweet grasses.

I am, with sentiments of esteem, your obebient DANIEL BUCKLEY. servant,

P. S. I have omitted to state, that on land which manure to the acre, before planting. A second lim- has been much exhausted, or has naturally a thin ing is often given, and much approved of, after an soil, we do not apply more than 30 or 40 bushels to interval of three or more years. This amalgamates the acre, at the first dressing; but in three or four

^{*}See Memoirs of the Philadelphia Agricultural Society, Vol. 3, p. 106 of appendix.

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vears afterwards the lining may be repeated to advantage, to the extent of fifty bushels on the acre.

Letter from William Chapman on the use of lime in agriculture.

Sin-Agreeably to your request, I now communicate to you my experience in the use of have in hus bandry.

First .- While with my father in England, I assisted to set out large quantities of lime as a manure. It was applied to all soils upon his farm, viz: moss or turf, clay, black or yellow loam and sand loam. We put on from two to three lundred bushels the acre. I have seen land that before liming was so poor that it would bear nothing but bent and moss, after liming give the heaviest crops of oats and wheat for ten years, and I have no doubt it would have produced good crops for ten years longer, with suitable alternation of grasses.

Second -I have set out lime on my farm in this country, on stiff clay and on loams, in considerable quantities. It has been particularly beneficial on the clay. I had one field which would produce nothing of consequence until I limed it; after which I sowed it with rye and grass seeds. Both the grain and grass were good, and it is now covered with a fine rich sward. I have used lime for several years, and my confidence in its benefits have not at all been di-

minished.

Third.-I am satisfied that lime is a preventive of smut in wheat, rye, oats and barley, if the seed, previous to sowing, is steeped in brine or line water, and rolled in fresh-slacked lime. And I am equally satisfied it will destroy the insect, or Hessian fly, in the young grain, if sown in the morning when there is a heavy dew on the crop. Some years ago I sowed some spring wheat, and as I had so salt at my farm to make brine, I took stone lime, and slacked it in a tub of water; and when the water was as warm as I could hear my hand in, I put in he seed, chiunued stirring the grain for half an hour or more. The grain was then sown; and when it came into its third or fourth leaf, although it looked well, I sowed fresh-slacked lime over the field while the dew was upon it. The crop was very good;while all my neighbors, except one, lot almost their entire crop of spring wheat. This one appened to be passing while I was sowing the lime on my young that ours has no reality. grain, and at my suggestion, went home and sowed it upon his own also, and, I understand, had a good crop.

In the spring of 1823, I had about three acres of winter wheat, a portion of which looked very yellow when the snow went off. I directed this to be sown with lime; but on visiting my farm two weeks afterwards, I found it had not been done, and that the whole field assumed a like yellow appearance.-I had the whole immedialely sown with lime; the grain immediately improved in appearance, and I had a tolerable crop, though not so good, I think, as I should have had if the lime had been sown two

weeks earlier.

Mr. Ebenezer Cady, of Duanesburgh, at my sug-

WILLIAM CHAPMAN.

Albeny, January 6, 1825.

HARD TIMES!-HARD TIMES!

(Such is, and such always has been the cry of our farmers; and the present times, it must be confessed, are hard, if we compare them exclusively with much better times, so far as relates to the prices of agricultural produce. But before we can feel justified in complaining of hard times, and general distress, ought we not to look to worse times as well as better? and to other countries as well as our own? It is true that wheat will not fetch \$2 per bushel, neither will tobacco bring \$100 per hogshead. But does the happiness and the comfort of life consist, indispensably, in these prices? Has not the farmer an abundance, and more than he can devour of meat and bread? Does he not manage scandalously whose garden does not furnish him with plenty of good vegetables? and whose dairy does not yield milk and butter to consume and to spare? Cannot every farmer raise wool, and cotton and flax, to clothe his family and his people? He who has not enough of all these, owes the deficieney to his own want of industry and plain obvious management; and with an abundance of meat, bread, vegetables, milk and clothing, beer and cider, is it not, under Providence, ungrateful to be forever repining, and moping, and complaining about hard times! hard times? Where is the nation, we speak of the mass of the people, on the habitable globe, that would not, if they could, gladly change "times" and condition with us, and felicitate themselves and sing hallelujahs to that kind Providence which had supplied the means of gratifying every want that is essential to wholesome and comforta-ble living? The bane of our happiness consists in confounding luxuries with necessaries; and in keeping our imaginations forever fixed on those who have, per fas or per nefas, accumulated the means of pampering their morbid and vicious appetites with every dainty, and their vanity with all kinds of empty show; rather than on the millions in other countries who are literally naked for want of clothling, and peristing for search of broad! If we would look oftener at these, we Americans would cease to outrage Providence with the false cry of-had times! To a benevolent mind it must be painful to draw contentment from the contemplation of the wretchedness of any portion of our fellow creatures; but reason teaches us that such contemplation does not aggravate their calamities, whilst it instructs us To form a better estimate of our own condition

here in America, let us turn our regards to the people of Great Britain-that nation which is said to be the most industrious, skilful and enterprising, and to be governed by the wisest policy ever pursued by publick councils; let us read the following items taken from late English papers (Bell's Weekly Messenger,) received at the office of the American Farmer, and published during the months of July and

August:]

(From Bell's Weekly Messenger, of Aug. 28.)

Even in the neighbourhood of London, the work houses, as we understand, are filled with young wogestion, adopted my method last spring, of steeping men, hearty and strong, who either refuse to go men, hearty and strong, who either refuse to go or artificially (by restrictive laws,) enhanced, the out to service, or, when sent, contrive to be immerate of wages must gradually follow. But in Ireliss seed, rolling it in lime, and sowing fresh-slacked lime upon his young grain. The experiment was so successful, that his wheat was considered the best in the county.

The experiment was considered the best in the county.

The experiment was so successful, that his wheat was considered the best in the county.

The experiment was live in idleness in these houses. Many of them are born there, and consider it so entirely whole weight of famine and searcity falls upon the poor; they cannot get one penny more for their Fifth.—I have applied lime successfully upon cucumbers, and other garden vines, to protect them from the yellow bug; taking care to repeat it as often as the wind or rain blew or washed off that which had been before applied. Half a bushel of lime, mixed with the earth of an ant hill, will effectually destroy a colony of these insects.

Your friend,

WILLIAM CHAPMAN poor by sending them to the colonies, where proper nance, and continued and extended by its virulence officers should place them in families, and their sup- and contagion.

port should be made to depend upon their industry and good conduct. We think we could mention one workhouse not many miles from Hyde Park corner, which could supply the farmers of Canada or New South Wales, or the Cape of Good Hope, with about a score of hale, strong, and lusty wenches, for in or out-door work, to the great relief of such parish, and certainly to the aid of the colony to which they should be so sent.

We have hitherto abstained from entering upon the distressed state of Ireland, because our attention has been occupied with the sufferings of our own manufacturers, and because the accounts were not so full as we have lately found them to be. It now appears from all concurrent reports, that Ireland, and Dublin in particular, is in a state of extreme misery, and that the approaching autumn and winter are anticipated with general apprehension.

The causes are too obvious to require any explanation. In England, the dependence of the poor people is upon being employed in manufactures, commerce, and in the mechanic arts and trades necessarily called into exercise by the activity of an immense trade. In Ireland, there are no manufactures of any general extent, and no commerce worthy of notice; and as the agricultural cultivation of one year is the same as that of another, and is necessarily limited, agriculture can make no demand for labour corresponding with a perpetual increase of population. In Ireland, therefore, three-fourths of the poor are thrown entirely upon themselves, and rise in the morning, and go to their cabins at night, without having any master, employer, wages, or labour. They have, therefore, to live as they can, and the usual mode is, to outbid each other for some small patch of land, not exceeding the size of a bowling green, upon which to grow potatoes, and for which they pay a price amounting to a rate of eight or ten pounds English an acre, the farmer himself paying his own landlord a guinea and a half, or two guineas per acre. In this way, all the farms in Ireland, or almost all, are distributed out into small potato beds, each bed having its family and in cabin. From the drought of the present season, all these potatoes have failed, and the poor families are thus at once without food, without any call for their labour, or any resort to poor rates.

It is unhappily too evident what their condition must be, unless public and private charity should come forward to assist them. In England, there ean scarcely exist such a state of things as absolute famine, because our poor in all cases can resort to the poor laws; and, if the price of provisions rise too high for the rate of wages, every parish must come forward and support its own poor. In Ireland, as we have above said, there are no poor laws. Again, in England, as the vast extent of our agriculture, commerce, and manufactures must always make a proportionate call for labour, and as the poor will not give their labour except at a price at least equal to feed them, the rate of wages must always follow the price of provisions, and when the price of corn is either naturally (by scarce seasons,)

We, therefore, most earnestly trust, that this state of suffering amongst the Irish poor, will be condition than when we last addressed the public; might take and sell it: and he stated the amount of attended to in time. It has already commenced its the shops are almost described, and to such a state the rate to be 61. 10s. per month, which, supposing ravages, and the future consequences may be fore- of destitution are the poor reduced, through the it to continue for twelve months, would considera seen, unless prevented. It is, therefore, the duty want of a proper supply of sustenance, that several bly exceed the amount he paid for rent. both of the English and Irish governments, to lose persons fainted away during the last week, and [Blackb] not a moment in timely precautions against this some have died, it is supposed, from the same evil, the evil of an absolute famine, and epidemic cause. These were working people, who, there is pestilence. And let it be remembered (we feel it a no doubt, would have viewed the prospect of em-

mean high, but remunerating times,) is pretty near-at the former period, cost 26s; the same work is ly the fact, that the gross produce of an arable farm now performed for 4s. 6d. The retail tradesmen is divided into four equal parts, and that one of are sinking to ruin. Within ten days, five publi-these goes for tithe rates and taxes; another for la-bour, including blacksmiths' and wheelwrights' bills; have been sold off under executions for debt. The a third is paid to the landlord for rent; and the re- houses are becoming empty for want of tenants; maining fourth belongs to the farmer, as the hire of while several families are huddled together in a his capital and the remuneration of his industry and single apartment! [Bolton Chronicle. skill. We will put the case, that the gross produce of a particular farm sells for 600l; one-fourth of Paisley.—The following is the substance of the this is 150l.—therefore 150l. is what the tenant of weekly Report of the Operative Relief Committee: this farm has to live upon. We will suppose that "We are yet unable to report that there is any imthe price of agricultural produce is reduced one-provement in the situation or prospects of the disthird. Now, therefore, the gross produce of the trict. The number of novel and necessitous cases, farm in question is reduced to 400l. The farmer's which, after investigation, have been placed on our fourth, therefore, will be 1001 instead of 1501. The list for relief, during the last week, exceeds the farmer will, therefore, be a loser by the depression number of those who have obtained employment to the amount of a third of his income. In point elsewhere, and been struck off it. The sum of disof fact, however, he will lose more, as we shall pre-tress is therefore considerably increased, and our sently see. The value of the gross produce is by fund is again rapidly drawing to a close. The har-the supposition reduced one-third. If, therefore, vest, which is now becoming general, may in some the three first shares are reduced one-third each, degree afford occupation; but the great bulk of the three first shares are reduced one-third each, degree afford occupation; but the great bulk of the degree afford occupation; but the great bulk of the the overplus, or share that remains to the farmer, dependants on the committee are unaccustomed to would be reduced one third also, and no more; but the labours of the harvest field, and will continue this is not the case. Labourers' wages will be re- to require public aid until our manufactures revive, duced, and so must the bills of the blacksmiths and or some new and unforeseen means of employment wheelwrights. The claim of the tithe owner will is devised for them." be reduced in proportion to the depression in the value of the titheable commodities; but not so the government taxes; they will remain stationary, and Abercrombie, who resides on his family estate of

than a fourth, it follows that the remaining three, upon his domains; not so much for its improvement Cotton twist and yarn—lbs. some or one of them, must be less than fourths. In as to keep them in regular habits, and to preserve Cotton-wool—lbs. the long run this loss, occasioned in consequence of them in a comparative state of independence.the fixed nature of the government taxes, will be distributed pretty equally between the landlord, the farmer, and the farmer's labourer; but in the first

As the distress has

lowest degradation of pauperism.

STATE OF TRADE.

of Liverpool received a Deputation of Manufacturers moncy to procure it. from Birmingham, composed of the following gentlemen: Charles Jones, Esq., Benjamin Hadley, Esq.

duty to repeat it a third time.) that Ireland has no ployment as the greatest blessing that could be bethe population must be absolutely starved.

Extract from a letter of an Essex Farmer.

Let us suppose, what in good times (I do not ing still: The weaving of a Bolton 60 reed cambric,

[Paisley Adv.

We understand from the best authority that Lord consequently constitute a larger proportion of the reduced, than they had done of the original, value of the gross produce.

White or plain cottons, 39,211,384 29,433,928 through the circumstances of the times, have been through through the circumstances of the times, have been through the circu As, therefore, one of the shares will be greater thrown out of their regular employment, in working

As the distress has fallen with increased severity instance it will probably fall (as a few years back it on the poor of Carrickbeg, who are principally did fall,) upon the two last with appalling force, tradesmen, a committee to collect subscriptions has ruining the former and crushing the latter into the of this committee, it appears, that among the population of Carrickbeg, containing about 4,000 people, there are t63 families, consisting of about 750 in-On Friday, about half past 12 o'clock, the Earl dividuals, destitute of employment, without food, or Liverpool received a Deputation of Manufacturers money to procure it. [Clonmel Adv.

Blackburn.-We hasten to correct an erroneous and T C. Salt, Esq., whose object was to present impression which we find has arisen in the minds uf to his Majesty's Government a memorial of the ex- persons not resident in this town, with respect to tremely depressed state of trade in that town, and praying that some measure may be devised for its immediate and effectual relief. The Chancellor of the Exchequer and Mr. Secretary Peel accompanied the attention of Darwen which type which the public Earl, which occupied the attention of Darwen which type which the formula of the earl and the formula of the earl which the public Earl, which occupied the attention of Darwen which type wh nied the noble Earl, which occupied the attention of the Ministers about three quarters of an hour.

of the Ministers about three quarters of an hour.

was making most rapid strides in prosperity, a fact day, beef sold at 6s, to 6s, 3d, per stone of 14 lbs.; has lately come to our knowledge, that conveys a mutton, 5s. 9d. to 6s; lamb, 4s. 8d. to 5s. 4d.; veal,

(Blackburn Mail.

RECORDER'S REPORT.

At a Privy Council, which was holden on Thursday, the Recorder of London made his report to the King of the prisoners lying under sentence of death in Newgate—namely, James Crawford, aged 17; Joseph Baker, 19; Ellen Walker, 37; and Mary Ann Pray, 37, for housebreaking. Henry Smith, \$2; James Martin, 22; Maria Myers, 57; and George Leslie, 17, for stealing in a dwelling-house to the value of 40s. and upwards. John Fordham, 20: Wm. Clark, 40; Richard Mansfield, 21; and John Lawler, 20, for burglary. Patrick Ryan, 14; Thos. Abrahams, 22; and James Reid, 20, for highway robbery. Charles Butcher, 27, for sheep stealing. William Waller, 20; Thomas Wiskin, 22; and Wm. Toffs, 2t, for horse-stealing. And Thomas Miles. 32, for coining.

[Other scraps from the same papers.] FOREIGN TRADE.

A Parliamentary Paper was distributed on Thursday, which enables us to institute comparisons between the foreign trade of the country during the quarter ending 5th April last, and the corresponding quarter last year. There is a considerable falling

than might have been anticipated, considering the speculations of the preceding year. In the quarter ending 5th April, 1825, the importation was 39,552,714 pounds-in the quarter ending 5th April,

1826, it was 35,550,335 pounds. The cotton exports stands thus:-

April 5, 1825. April 5, 1826.

1.224,501 1.182,856 4,591,047 6.029,915 505,736 6,701,765

It thus appears, that while there has been a great falling off in wrought cottons, the quantity of twist and yarn exported was considerably greater than last year. The quantity of cotton wool exported is necessarily greater, for last year we were importing cotton from every country.

The linens exported fell from 12,629,164 to

8,779,269 yards.

There is a considerable increase in the quantity of sugar imported and exported. There is a falling off in the European timber imported, and an increase in the British American timber.

Carlisle, Saturday, July 29.

There was only a poor show of lean cattle in our The accounts from the manufacturing districts show as yet no mitigation of distress. Information has been received by government, founded on pretty accurate data, that in Lancashire alone there are at this moment near 300,000 human creatures who are absolutely without employment.

The accounts from the manufacturing districts much stronger idea of the extent of such distress much stronger idea of the extent of such distress much stronger idea of the extent of such distress show as yet no mitigation of distress. Information has been received by government, founded on pretty are residing in the township was summoned by the overseer for non-payment of the poor's rate. The farmer stated himself to be at that time totally unley and oats exceedingly thin, and of the lightest able to pay it, but requested the overseer to allow quality. Reapers' wages 12s. a-week, with meat-

afraid I spoke too favourably of the turnip crop; the 71 times. late rains have brought forward many fields, but, generally speaking, this useful root has failed for want of moisture. The after-grass comes on slowly. not having had any for a week, with the thermometer at 80 in the shade in the middle of the day.

half-bred Leicester and Down lambs, at his late annual sale at Bowthorpe, fetched very good prices, some as high 21s. and his two-sheer Down ewes ob-Norfolk Chroniele. as at his former show.

Lincolnshire wools, which last year at this time sold at two guineas a tod (of 28lbs.) may now be had almost as soon as cut. from the farmers at half that price. One wool guineas by keeping that stock one year.

At the annual meeting of the Doncaster Argricultural Society, which was held on the 4th inst, and an interesting experiment which he had made, to ascertain the comparative merits of Swedish turnips in the intestines of a most dangerous character." and mangel wurzel in the fattening of cattle; the result of which went to prove the superiority of the growth of vines in France. They present the wurzel increased considerably more in weight than cur, to make 80,000 tons of wine the other which was fed on Swedish turnips. This Mr. Davis, of Slough; has pub other which had been at turnips was put to mangel wurzel for a similar period, and it was found, at the ly two-thirds. termination of the experiment, that theox which had been put from mangel wurzel to turnips had lost weight, while the other which had been removed from turnips to mangel wurzel had gained considerably. His lordship further observed, that during the present droughty season, when the turnips had been nearly hurnt up or destroyed by the fly, mangel wurzel had flourished, and was an abundant crop.

carried his wheat crop this season. from 570 acres, in nine days. The predecessor of this gentleman died a short time since, it is said, the richest farmer in England, having acquired a fortune of 1.150,000. Mr. Winter, of Shurford, near Taunton, has a cuoumber growing in his garden, which measures four feet eight inches long; it has grown four inches in length since Sunday evening last, and from its appearance is likely to grow to the uncommon length sions continually referred to are contained in no less of six feet.

The largest steam-packet ever built in England has arrived in the river, called The United Kingdom, James Oman, master, 1,063 tons, two engines of 100 horse power each, built by Steel and Company, Greenock; Napier and Company, engineers, of Glasgow. She makes up 100 separate births; is the tity of type equal to 200,000 common octavo pages! most costly and elegant steamer ever built; and, we may truly say, the wonder of the age.

the stagnation, and as near as any calculation can be made, is 57,000. The average produce, taking it at 22 square yards of cloth a day, makes 1,254,000, or 1,741 yards in every minute; weekly, As the sheep did not happen to be a dandy, the re-7,524,000; monthly, 31,350,000; yearly, 376,200,000, flection of its own image, instead of awakening its at which time I had only about nine tons of fine vanity, excited its ire, and it ran against the glass, sumption, this will supply 62,700,000, and will cover which was instantly shivered to atoms. The plain-

A swimming match took place on Thursday, from a boat moored off Wandsworth, through Westmin-Indeed we are now again very much in want of rain, of Bathterrace, Millbank, and Mr. B. Stapleton, of Wimbleton. At starting Mr. Cranstone took the pensation. It now appeared that the declaration allead, and kept it at considerable speed, when Mr. Considering the dull and depressed state of the Stapleton passed, and won the match, leaving his wool markets, partly occasioned by the great importations of that of foreign growth, Mr. Howlett's computed at more than four miles, and it was performed within two hours.

NORFOLK .- The crops have been found to ripen in such an extraordinarily rapid manner, after the tained S9s. The Leicester tups did not let so well late fine rains and succeeding hot weather, that in this neighbourhood the farmers are mowing instead of reaping their wheat, which is housed or stacked

The Cheltenham Chroniele says: "In consequence grower is mentioned, whose stock last year amount- of the extreme drought of the summer, the autumnal ed to 6,000 tods, and who has of course lost 3,000 fruits are found in this season to be much infested with worms or maggots. This is peculiarly observable in pears. An eminent physician of this neighbourhood has stated his conviction, that a few grains was numerously attended, lord Althorpe described of the discoloured substance to be seen in a pear when worm-eaten, are sufficient to cause a disorder

latter. Two oxen were at the same time put to most beautiful and luxuriant appearance in the these different kinds of food, and continued at them neighbourhood of Paris. The cultivators of Argenfor a stated period; that which was fed on mangel teuil hope, unless any unforeseen accident should oc

Mr. Davis, of Slough; has published the result of fact having been ascertained, the ox which and been an experiment for ripening wall-fruit, by covering person in this neighbourhood failed. To him they fed on mangel wurzel was put to turnips, and the the wall with black paint, which has completely suc ceeded, besides adding to the weight of grapes near- for miles around. Yours, &c.

> On a large cement-stone, which was brought last week from the Isle of Shippey to Clayton's cement manufactory at Shoreham, being broken, on Monday last, a live oyster, of an immense size, was discovered in its centre. A live eel, of two pounds weight, was also found in a similar stone at the same manufactory, a few weeks ago.

among the Yankees, if the following particulars ex-Mr. Henry King, the celebrated agriculturist, of Alvesdeston, near Fovant, in Witshire, cut and 1750 there were but seven papers in the United to fatten hogs; and that it may be ground fine, I States; in 1810 there were 359, including 25 pub- have, for several years past, kept old corn enough lished daily; which circulated 22,200,000 copies an- for that purpose. nually. In 1823 they had increased in number to 538, and are now about 640, and the extent of co- they will digest even gravel stones. pies circulated in the year exceeds 30 millions."

> quarto pages, and the reports of common law decithan 55,000 other pages. So that the evidential books of legal authority consist of about 100,000 pages. These books are of course exclusive of the different abridgments and treatises of law, and argnments and comments on legal decisions. Of these, Vesey's, Comyn's, and Bacon's work contain a quan-

The estimated number of looms propelled by wa-ter and steam power in the United Kingdoms, in destroyed. The plaintiff was a jeweller at Stock seasons. At this time, my flock consisted of 500 ter and steam power in the United Kingdoms, in destroyed. The plaintiff was a jeweller at Stock seasons. At this time, my flock consisted of 500 ton, and the defendant was a butcher, who was sheep, including about 120 lambs; and as I had a the stagnation, and as near as any calculation can driving some sheep through that town, when one of very scanty supply of hay, I was obliged to resort

15s. without food, and this for any one that can be 62,700 acres of ground, and in length, would extend tiff seized upon the graceless quadruped, and declar-picked up at the Market Cross. In my last I am 213,750 miles, and reach across the Atlantic Ocean ed he would detain it for the damages—a proposition to which the defendant, who well knew its value, instantly consented. The plaintiff, however, after having kept it for some time, discovered that he had miscalculated as to the worth of the sheep which he retained, and had recourse to law to obtain comleged the accident to have arisen from the defendant's negligence, an allegation which the witnesses disproved. For the defendant an objection was taken on this variance between the statement and the proof; and rather than run the risk of a nonsuit, the plaintiff consented to an agreement, by which each party was to pay his own costs, and to leave the damage unsatisfied.

ON THE CULTURE OF THE POTATO.

Frederick county, Va., Sept. 27, 1826.

Much has been written in your valuable paper upon the cultivation of the Irish potato. As every thing relating to this valuable root is worth attention, I give you the practice of Mr Heslebower, living near me, which I have adopted with complete success this season. He selects the poorest spots in his fields, ploughs them well in November or December, and in the month of March plants his potatoes in drills two feet apart and two inches deep; then covers the whole ground with wheat or other straw, from eight to twelve inches thick, fifteen will not be too much, for the potatoes will make their way through. This keeps the ground cool and moist, prevents the growth of grass and weeds, saves the labour of ploughing and weeding, and greatly improves the land. Mr Heslebower last year made an abundant crop, whilst every other have been indebted the last spring for seed putatoes

SHEEP.

(From the Besten Sentinel.)

Messrs. Editors,-llay being so scarce the present year, and the crops of corn, oats, potatoes, and turnips very good, I think it is well for farmers to prepare places to Ged their sheep daily during the winter, with some other food beside hay. Sheep Political knowledge seems to be spreading fast will digest grain better than any other animals except fowls, and there is no need of grinding corn for either of them. Yet it ought to be ground fine

It is no matter how hard corn is for fowls, as

Having been convinced of the utility of feeding The statutes of this country occupy 45,000 close sheep with grain in the winter, and having practiced it for forty years, giving but little when hay is cheap and plenty, and more when hay is scarce and dear. I send you the following, which I think will be read with interest by farmers:

Facts and observations in relation to keeping Sheep.

It will be recollected, that in the summer of 1822, the drought was severe in many parts of our country. In Cayuga county, where I reside, and in the adjacent counties, it was greater than in any former A curious action was tried at the Durham As year, since the settlement of the county. Our measizes, for the recovery of 12l. the value of a looking dows were so much parched, that we did not secure

thing less than a gill of corn and oats per head, per of the questions are enclosed, that you may be enaday, to both sheep and lambs, during the winter. bled to transmit them to as many of the enlighten-The flock had little mure than enough of hay to ed and patriotic citizens of form a cud, except that in extreme cold weather, I tical pursuits, or the course of whose investigations, directed them to be full fed on hay.

the loss of only three lambs; and at the opening of swers that may be practicable would always be deform an acre of mulberry trees by other modes of the spring, they were in better health and condition than the full grown tree? than any flock I ever wintered in any former season from answering, because his answers could not be 7. Be pleased to state, as much in the full grown tree? since I have been engaged in rearing sheep and full, or meet all the questions propounded.

growing wool.

500 sheep through the winter, as follows:

9 tons of hay, at \$7,	\$63.00
145 bushels of corn, at 52 cents,	75.95
50 dv. oats, at 19 cents,	7.60
Salt with the hay, &c	5.00
Attendance of shepherd,	20.00
•	

\$171.55

I have adopted the same course with my sheep. this winter; and from letters recently received from my son, who has the charge of the flock, I enter- acceptable. tain a confident expectation of the same result. JEDIDIAH MORGAN.

Cayuga, March 18, 1824.

HORTICULTURE.

CULTIVATION OF SILK.

The following circular letter, recently addressed to the several governors of states and territories, by the Secretary of the Treasury, and the queries which accompanied it, are now made public, in the hope that the latter, by being thus more widely diffused, may attract the notice of individuals whom they might not otherwise reach, and who, possessing both the ability and the disposition to supply, if not all, a portion of the information desired, may, by so doing, further subserve the purposes of the resolution of the House of Representatives, on which the [Niles' Register. queries are founded.

Circular to the several Governors of States and Territories.

TREASURY DEPARTMENT, July 29, 1826.

Sir,—A resolution was passed by the House of Representatives at the last session of Congress, which directs, amongst other things, that the Secretary of the Treasury shall cause to be prepared a "well digested manual, containing the best practical insect a native of ————, and if so, in what consumed at home or sent abroad—and where; information that can be collected on the growth and respects does it differ, if any, from the Oriental or where has the raw silk been sent when not wrought manufacture of silk, adapted to the different parts of foreign silk worm? Are there any varieties of this into manufactures? herewith to enclose, that its entire object may be ever kinds there may be? the more distinctly seen.

In determining upon the means by which the inabove recited may be obtained, none have occurred so likely to be effectual, as to address a communication to the Governors of the different states and territories, asking their friendly instrumentality and assistance. I have, accordingly, the honour to address myself to your excellency, and to enclose a

may have created ability to answer them, as cir-

l estimate the expense of keeping my flock of good offices of your excellency upon this occasion to our common country, for the common benefit.

be given, but which is rather fixed upon, as it may

I have the honour to remain, With great respect, your obed't serv't, RICHARD RUSH.

His Excellency -----, Governor ------.

QUERIES.

servations in relation to the growth and manufac- that prey upon them? ture of silk in other countries, as may be useful, queries have been prepared, with a view to aid in silk worm in the course of the year, as in Asia? obtaining, in part, the means of complying with the How will this inquiry apply to _____? resolution. Answers to all, or any of them, are _____1t. Have lightning and thunder been found to December.

raise silk?

3. Does the mulberry flourish in -— in its different varieties; what soil suits it best; is the from Europe, China, or the East Indies? been found to thrive as well in the United States as and twisting of sewing silk in any part of -

and black mulberry as upon the white? Is there formation on this head will be acceptable. any other leaf or plant known in this country upon series of questions that have been drawn up at this which it does feed, and, above all, will it yield silk particularity as may be, the machinery most apdepartment under the branch of the resolution men- of equal quality when fed upon any other leaf or proved for winding off the silk from the cocoun; tioned. In taking this step, it is neither my expec- food, as upon that of the white mulberry?

about half a gill of corn per day, in the ear, divid-tation nor wish to devolve upon your excellency | 5. Be pleased to state the best methods of raising it so as to give half of it in the morning, and any personal trouble; but a hope is entertained that ing and multiplying the several species of the multhe residue in the evening, except that to the lambs you may be able to command the means of giving berry tree; how it is propagated; how old it should I gave nearly the same quantity of oats in the sheaf, to the questions a direction by which the information which they seek may, in some instances, and following, when the quantity of grain was a little to some extent, if not entirely, be obtained; and begin to furnish food for the worm; whence trees increased; so that, between the 15th of December when contributions are thus obtained from all parts or cuttings can be obtained for transplantation; the and the 15th of April following, I actually fed to my 380 sheep, 145 bushels of corn, and to the 120 aggregate of information will be neither small in large amount nor inconsiderable in value. Several copies that the price per hundred; how many trees should be plantaged amount nor inconsiderable in value. Several copies that the price per hundred; how many trees should be profeeding the worm in the form of a bush or shrub?

6. What quantity of raw silk ought to be produced from an acre of full grown mulberry trees, planted and reared in the best manner? How many silk worms are required to produce a pound of raw In this manner 500 sheep were wintered, with cumstances may allow; and although the fullest an-silk? What quantity of raw silk can be produced

7. Be pleased to state, as much in detail as may be in your power, the methods of treating the silk The only apology I have to offer for asking the worm with a view to raising the best silk, and in the greatest quantity; embracing particularly the habits is, that it is one of public concern; and that what- of the insect, as to appetite, cleanliness, position, ever information and light may be shed upon the or accommodations, whilst the cocoon is forming; subject of the resolution of the house, by the course the species of twig or branch on which it is best of inquiry adopted, will, in the end, be made known that it should be spun; temperature, and degree of light most favourable to the insect, and all other Permit me, in conclusion, to add, that whatever circumstances which may affect its health and returns I may be favoured with to this letter, will strength, and its capacity to yield a perfect cocoon; be in season if they reach the department by the also, a description of the process of forming the 1st December, a limit of time the furthest that can silk by the insect until the cocoon is completed; the best modes of treating the cocoon, and of obtaining increase the opportunities of making the returns the silk; and how far the labour of females, children and old men, may be usefully employed in the

8. What difference, if any, exists between the Chinese and Italian or Spanish worm; which country is reputed to produce the best insect, and what particular part of the country?

9. Does the climate of -- admit of raising The House of Representatives having, at the last silk with full advantage in the open air; or is it best session of Congress, passed a resolution, "that the the insect should always be housed; if the latter, secretary of the treasury cause to be prepared a what size and form of building or apartment is best well digested manual, containing the best practical fitted to its operations? If the silk be raised in the information that can be collected, on the growth open air, is any shelter, and of what kind, required, and manufacture of silk adapted to the different as well from the rays of the sun as from wet, and perts of the Union, containing such facts and ob- to protect the insects from birds and other animals

10. Is there reason to suppose that, in some parts and that the same be laid before Congress at the of the United States, the climate may admit of commencement of their next session:" the following more than one crop of silk being raised from the

respectfully invited, from such enlightened and pa- affect the silk worm in our climate; and how far, if triotic citizens as may have it in their power to fur- at all, has any insect of our climate, or animal of nish them. The answers to be transmitted to the any kind, been found to prey upon, or injure it, Secretary of the Treasury, on or before the 1st of beyond those that are known to do so in other climates?

12. What is the greatest quantity of silk that year; into what articles or forms has it been manu-2. Whence was the silk worm obtained? Is this factured; and have the manufactured articles been

13. What prices have the raw or manufactured silks commanded in the market of the United States, as compared with similar articles imported formation aimed at in the clause of the resolution white mulberry an indigenous tree? If not, has it progress has been made in the drawing, spinning, the red and black mulberry? Which of the latter Have its strength and evenness been equal to the is indigenous, or, are both? How have 4. Does the silk worm feed as well upon the red we succeeded in the colouring or dyeing? All in-

14. Will you be pleased to describe, with as much for forming it into organzine or thrown silk; and for eluding velvets,) whether for clothing, furniture, or 20 or 30 young cucumbers showed themselves as any other purpose? If within your power and eon- soon as the vines, though, through one accident or venience to add a sketch or drawing of any or all another, only five or six arrived to an extraordiof the above machinery, it would be acceptable.

silk produced from all the different varieties of the place. Its flavour is perfectly that of the encumber use. silk worm, and annex, if in your power, a drawing, when green, both in taste and smell, and I am dis-(coloured.) of all the varieties of this insect in its posed to think it may be worthy the attention of moth and other states. Is the insect brought from your gardeners. As to its nativity, accounts varyabroad supposed to degenerate in the United States, one gentleman has met with it in Chili, S. A., another and if so, to what causes is it imputed, and how are in London, one traces it to the Nile, and represents they best to be obviated? What are the proper it as trailing the ground across the market-houses, rules to be observed in the choice of eggs, and the while another makes it indigenous to the west. In its choice of cocoons for seed, and in the choice of the growth, it is irregular, forming, sometimes, a pretty, insect for laying eggs?

posed to be the causes that have led to its discon-

tinuance?

17. Please to state any other facts or circumstances that may bear upon the objects or spirit of the resolution above referred to of the House of Representatives of the United States, though not specially comprehended under any of the foregoing in-RICHARD RUSH. quiries.

Treasury Department, July 29, 1826.

WINES AND GRAPES.

We have before had occasion to speak of the in the press. fruit garden and vineyard of Mr. William Shaw, at the corner of Prince and M'Dougal streets, in this mediately strained into the dishes, or shallow city, and of the remarkable success of that gentle- troughs, il these are used, in order to promote coolman, not only in vine dressing, but in bringing all ing, as the surest guard against fermentation. The kinds of fruits which will grow in this climate, to same object may be obtained by frequently draw-the fullest and richest perfection. And had it not been for his commands to the contrary, we should back again. more frequently have made our acknowledgments for the several baskets of delicious fruits with which stomach of an animal in which the gastric juices are he has presented us during the season. Of grapes preserved by salt. The application of any kind of alone, Mr. S. has this year successfully cultivated acid will cause milk to coagulate, as well as the inixty-eight varieties; and, in addition to the bountifusion of several plants, as ladies bed-straw, butterful supplies which he has generously furnished his wort, and others. The maw, or stomach of runifriends, he has sold 3000 lbs. of grapes to a single nating animals, which admit of obtaining the gas- (From "Hints for the Improvement of Early Education purchaser the present season, of so rich a vintage tric juice in a less mixed state than those of others, as to bring 2s. 9d. per lb. As for making wine, it is and consequently they are not sweet enough for it is thoroughly washed, it should be entirely coverwine. Mr. S. however, has been trying an experied with salt, inside and out. It is then put into an ment by mixing the foreign grapes with the luscious earthen jar, or other vessel, for three or four days, affectionate; decided, yet mild; imposing no unne-Isabella, which is much too sweet fur wine, and the when it is taken out and hung up for two or three cessary restraints; but encouraging every innocent probability is, that the compound will make a very days, to let the pickle drain from it. It is now re-freedom and gratification, exercised according to rich wine.

horticultural treasures of our country.

[N. Y. Com. Adv. Sept. 30.

LARGE CUCUMBERS.

Charlotteville, Sept. 27th, 1826.

Sir,-Having been the proprietor of the long euyou may have an opportunity to try, should you be so disposed, how it may like to grow, and to what pared as above. To this add a good sound lemon, shenfit can reasonably be expected, when we restant will attain on a Maryland soil. Its history, stuck round with about a quarter of an ounce of as far as I am acquainted with it, runs thus:—Our lamented friend and neighbour, Mr. Jefferson, gave The strength of the rennet thus prepared, will inme six seeds, out of twelve which he had taken the crease in proportion to the length of time during acters of impulse are also liable, are particularly try-trouble to procure from a gentleman in the western which the bag remains in the liquor. The quantity ing to children. There are few tempers that can recountry, manifesting at the same time considerable to be used for the purpose of coagulating milk, can, sist the effect of being sharply reproved at one time,

nary length. The longest was 88 inches, earefully perfect circle, and at others Ale libre a mabre. By 16. If silk has been raised at any periods hereto- all who have seen it, it has been considered a great but not at present, what are sup-place causes that have led to its discon-place in your garden. With all due respect, I am, sir, yours, &c. F. W. HATCH.

RURAL ECONOMY.

CHEESE MAKING.

(From the Farmers, Mechanics and Manufacturers' Magazine.)

The production of cheese includes the making of rennet, the selection of a colouring matter, the setting of the curd, and the management of the cheese

The milk, fresh drawn from the cow, is to be im-

What is called rennet, is nothing more than the and chiefly a young ealf that has been killed before tions to prepare this rennet for use:-

and the same quantity of the leaves of the dog rose, the little ones around us. Speak to a child in a fret-and the like quantity of bramble leaves. Boil them ful manner, and we shall generally find that his ancumber, an account of which has run the rounds of in a gallon of water, with three or four handfuls of swer partakes of the same character. We may rethe newspapers pretty generally, I take the liberty of sait, about a quarter of an hour. Strain off the li-sending you a very small number of the seeds, that quor, and having let it stand till perfectly cool, put it but all will be done with double the effect if our the newspapers pretty generally, I take the liberty of sait, about a quarter of an hour. Strain off the li-

interest as to the care of their cultivation and the produce. Of these seeds, planted in too stiff a cupation. In general, however, it may be stated, of being treated one day with excessive indulgence, soil, four germinated—two plants were destroyed on the average, that somewhat less than half a pint and the next with fretfulness or severity.

manufacturing silk into all its different forms, (in-by insects, and two survived and flourished. Some will suffice for fifty gallons of milk. Throughout the whole process of preparing and preserving rennet, too much attention cannot be given to its cleanliness and sweetness; for if it be kept too long, so as to become foul or tainted, the cheese will inva-15. Describe the difference in the quality of the measured, and 8 inches circumference in the largest riably become affected by it, and will prove unfit for

LADIES' DEPARTMENT.

FOR THE FARMER.

O give me yet the sylvan shade, There nature's beauties dwell: The waving field, the smiling glade, The towering wood in green arrayed, The solitary dell;

They bid the heart be glad indeed,-the generous bosom swell.

When morning paints each varied hue, With beauty's healthful glow; The open'd flowers' sweets renew, Or spangled with her early dew, She bids the blossom blow, What other charm can rival this,—the paradise below?

No songsters barred from freedom's flight, Here pour the plaintive song; But soon as gleams the early light, They leave the resting spray of night, And sing and sweep along, Till wood, and glade, and field around, re-echo with the throng.

No sickened flower, with bended head, Plueked from its native lawn, Here charms the eye, or odours shed; But creeping from their grassy bed, By twining vine and thorn,

They breathe their sweets around my couch—and tell me it is morn!

TEMPER.

and Nursery Discipline.)

On no part of the character has education more well known that the exotic wine grapes, although the digestion is perfected, is almost universally pre- influence, than on the temper; the due regulation they yield with great luxuriance, are not as sweet ferred as rennet. When the bag is first taken from of which is an object of so great importance to the here as in the countries where they are indigenous, the animal, the curd should be taken out, and, after enjoyment of the present life, and to the preparation fur a better.

An authority such as has been described, firm, but salted, placed in a jar, covered tight down with pathe dictates of judgment, and supported by rewards Mr. S. sails to-morrow for England, where it is his intention to visit all the principal nurseries, with a view of making every valuable addition to the way for twelve months; it may however, in case of and evinces that self-subjection on our part which necessity, be used a tew days after it has received a is essential to its successful cultivation on theirs. second salting; but it will not be so strong as if kept This, at once, will put an end to those impulses of a longer period. Marshal gives the following directemper in ourselves which are the most fruitful sources of irritation to others; for, it is surprising, "Take a handful of the leaves of the sweet briar, how quickly our own irritability will be reflected in

The variations and inconsistency to which char-

put no temptation in the way, if she observe any of ceived with unmoved serenity and patience. her little ones weary, uncomfortable or irritable. therefore, then be treated with more than common duties required towards children? tenderness; never roused from sleep suddenly or violently; nor exposed to any little trials, till they have had time thoroughly to recover themselves. It is scarcely necessary to add, how peculiarly this tender consideration is required, not only in illness, but under the various lesser indispositions so frequent io infancy.

Children ought not to be, unnecessarily, thwarted in their objects; which, at a very early age, they pursue with cagerness. Let them, if possible, complete their projects without interruption. A child, for example, before he can speak, is trotting after a ball; the nurse snatches him up at the moment, to be washed and dressed, and the poor child throws himself into a violent passion. Whereas, had she first entered into his views, kindly assisted him in gaining his object, and then gently taken him up, this trial would have been spared, and his temper

We should avoid keeping children in suspense, which is often done from a kind motive, though with a very ill effect. If a child ask his nurse for a cake, and she can give it him, let her tell him so at once, and assure him that he shall have it; but, should she be unable to grant his request, or know it would be Boy came in ahead on the first mile, followed closeimproper for him, do not let her hesitate; do not let ly in order by Janet and Marktime. On the second on Marktime was now offered for the next heat, and her say, "I will think of it, we shall see," but kindly mile Janet passed American Boy, and continuing to for the purse, calculating that if he gained the third and decidedly refuse him.

ease an immediate, but kind refusal; when, probably, he would cry bitterly at a denial, after his ex-

pectations had been raised by suspense

When a child is to go to bcd, we ought not to fret him for the last half hour, by saying every few dear, it is time to go-Now, I hope you will go; to bed, and when that time arrives, no common excuse should prevent it.

We ought also to be guarded against attaching too much importance to trifles; from this mistake, many an useless combat arises in most nurseries. and a child more alarmed and fretted, at a torn or with ease. dirty frock, than at a breach of truth or a want of generosity! Here the lesser good is preferred to the greater, and the primary object of education stand she is a Sir Archy colt. forgotten.*

By such measures as have been recommended,

* it is much to be regretted that dress is thus often made the subject of dispute and irritation. Personal oleanliness is indeed indispensable; and children, whether it teaze them or not, must be thoroughly washed. But their clothes should be so contrived as not to interfere with their freedom and enjoyment, or to require any great degree of attention. It is desirable to keep

We all have our weak and irritable moments- accompanied by a quick sympathy with the peculiar we may experience may changes of temper and feel characters, and peculiar infirmities of children, much horses, 3 miles and repeat: Mr. Van Mater's horse ing: but let us beware of betraying such variations may be done towards forming among them a habit Flagelator, Mr. Badger's horse Hazard, Mr. Potin our outward conduct, if we value the good temper. But, such is the irritability both of per and respect of our children; for these we have mental and bodily constitution in childhood, that, The latter won with ease—the first heat in 5 min. no right to expect on their part, without consistency with our best efforts, we must not expect unvarying 56 sec.; second heat 6 min. I sec.

If a fault be glaring, it must be scriously taken up; but in the management of the temper, especial to their bodily state, many children, perhaps all ocly in early childhood, much may be effected by a casionally, are prone to a certain fretfolness or irrisystem of prevention. A judicious attendant may tability, which will baffle every attempt to overcome 3 514. avert many an impending naughty fit, by change of it, and which, therefore, is rather to be borne with object, gentle amusement, and redoubled care to than opposed-never to be humoured, but to be re-This, for instance, will generally be the case with proceeding. This, indeed, calls for great patience; Mr. Stevens' three years old sorrel fully Laila Rookh. children when they first awake. They should, but, without great patience, who can perform the 87 lbs.; Mr. Potter's four years old grey horse Mark-

SPORTING OLIO.



UNION COURSE RACES, L. I.

tollowing horses started for the Association's purse of \$500, four mile heats; Mr. Stevens' 4 years old seconds. sorrel mare Janet, carrying 101 lbs; Mr. Laird's 4 years old bay horse American Boy, 104 lbs., and Mr. to the stand, Angelica being withdrawn. They all Potter's 6 years old grey horse Marktime, 121 lbs. started in fine style, Marktime taking the inner track, half, Marktime following close at their heels. Trans-American Boy next, and Janet outside. American port was distanced. Time 3 minutes, 54 seconds. gain gradually during the remainder of the heat, heat, he could easily take the fourth on account of the sees his mother going out, and petition to accompany her, it will be better she should say and American Boy last. This heat was run in 7 ful and even start. Trumpeter perhaps rather first.

"No." or "Yes," at once, for he will receive with minutes and 48 seconds.

up, and Janet and American Boy only were led for- purse by about a length. Lalla Rookh was not able fret him for the last half hour, by saying every few minutes, "I shall soon send you to bed—Now, my they again started, Janet taking the lead, which she saved her distance. Time 3 min. 54 sec. maintained, without being in the least pushed by her but let him be told that, at such a time, he is to go opponent, or driven to the top of her speed one inch in the whole four miles. At no one time during this till the latter part of the fourth mile, when he was suffered to approach within respectful distance; but then, as soon as Janet was let out by her rider, she How often have I observed a nurse more disturbed, immediately ran away from him, and won the race

Janet has proved berself a first rate courser, and will make good the place of Eclipse. We under-

Trotting course.- The silver plate of the New York Trotting Club, was trotted for in harness, two mile heats, at 11 o'clock, by Trouble, Screws, Tom Thumb, and Lady Pluck, and won by Trouble in two heats. First heat, 5 minutes 27 seconds; second, 5, 31.

At 4 o'clock in the afternoon, Betsey Baker, Buckskin, Shakspeare, and Rob Roy trotted for a sweepstakes of \$100, three mile heats. Betsey Baker them as neat as the case admits of; but, to this, a nurse gained the purse, by taking the first and third heats. anust take care that neither her own temper, nor their's Shakspeare won the second heat. First heat, 8 minutes 21 seconds; second, 8, 20; third, 9, 19.

Tuesday.-The purse was run for by the following

Wednesday .- The purse for the two mile heats, was taken by Mr. Badger's horse Trumpeter. The first heat was won by Mr. Stevens' horse Lalla Rookh. Time of running: 1st heat, 3 52; 2d. 3 54; 3d.

Thursday the races on this course terminated. The purse was \$200, two mile heats, and was con-In tested for by the following horses-Mr. Badger's such cases, there appears to be no other method of 3 years old bay horse Trumpeter, carrying 90 lbs.; time, 104 lbs.; Mr. Laird's four years old sorrel filly Transport, 101 lbs.; and Mr Tredwell's four years old sorrel mare Angelica, 101 lbs. From the number of horses in the field a more interesting race was anticipated than had been seen the two days previous, nor were the expectations of the company disap-pointed. At 1 o'clock they set off, Marktime apparently the favourite, but Lalla Rookh took the lead on the first quarter, came in ahead the first mile, with Transport, Marktime, Angelica and Trumpeter, in order, close upon one another; after passing the judges' stand on the second mile, Marktime and Trumpeter made a push to pass the mare, but were On Monday, October 3, 1826, at 1 o'clock the unable to effect it, Lalla Rookh coming in about a races on the Union Course commenced, when the length and a half ahead, and gained the first heat. The time of running this heat was 3 minutes and 50

Betting rather in favour of American Boy, though lead from Lalla Rookh on the last quarter of the in some instances 2 to 1 was offered on the mare first mile, passed the judges' box, a half a length against field. At the hour appointed the horses all ahead and gained the heat by about a length and a

Great interest was now manifested, and betting Marktime passed him on the back of the course, won During the interval previous to the second heat, the first mile by a length and a half but could not 2 to 1 was offered on Janet, but few takers were maintain his ground, Trumpeter passing him on the found. At the proper time the horses were called first quarter of the second mile and winning the

At 4 o'clock in the afternoon a scrub was run for \$50, one mile and repeat. Five horses entered. The favourites at starting were Fox and Jack-onheat was American Boy able to come near the mare the-Green. The running was very fine, the horses appearing so well matched that it was difficult after the start to make any choice. The first heat was gained by Fox, in one minute and 52 seconds, closely pursued by all the others in a body as it were. The second heat was also sharply contested, and taken by Jack-on-the-Green, in one minute 56 sec. The same horse took the third heat in one minute 57 seconds. [N. Y. E. Post.

RACES IN VIRGINIA.

At New Market on Tuesday last.

On the Tree Hill course, Richmond, to commence on the third Wednesday in October, to continue four The second day, 4 miles, purse \$1.000.

At New Hope, to commence on the 14th November, to continue 4 days.

Boydton races to commence on the 29th November, and continuc 4 days.

Bellfield races to commence on Wednesday 8th November, and to continue 3 days.

THE PARMER.

our next.

G-AMERICAN ECLIPSE, coming to Maryland .- It gives us great pleasure to hear that a spirit for the improvement of our horses in Maryland has been awakened in a degree that will justify the owners of this celebrated stallion, in sending him to Baltimore for a few weeks on his way to Virginia, and that he will probably be here by the time that the beautiful Bussorah Arabian leaves this vicinity.

It would be superfluous to say any thing here in praise of Eclipse's performances on the turf. They are universally known, and have been the theme of and valuable in America. admiration in Europe as well as in America. But it is not as a racer that he is so valuable to the years, he now offers to the public above 500 new varie publick; but as a successful stallion of great muscle, ties of most choice fruits, which are not in possession o bone, and bottom, with the faculty of transmitting any other establishment in this country, all of which his fine qualities to his foals, as has been proved by arc announced in the catalogue for 1826. The assort his fine qualities to his foals, as has been proved by many in New York and elsewhere. It is for one of his not three years old, that \$1000 have been refused in Maryland; and we have reason to believe that for Eclipse himself, at this day, \$15,000 might readily be had, and that less than \$20,000 would not ence, is enabled to make such selections as may be suit

excellence on the side of his dam, than which no

blood can be better.

He was sired by Duroc; his dam Miller's Damsel by Messenger; his grandam, the English mare Pot8os, imported in 1795, then three years old, by William Constable, Esq., and bred by Lord Grosvenor, sired by PotSo's, and PotSo's by the celebrated horse "Eclipse;" his great grandam by Gimerack, Green House Plants he has above 2000 species, com Gimerack by Cripple, and Cripple by the Arabian prising 20,000 Pots, among which are all those known of Lord Godolphin.

For a particular history of the English Eclipse, ancestor of the American, his namesake, the reader is referred to numbers 2 and 3 of this volume of the

American Farmer.

Those disposed to send Marcs to Eclipse will please leave their names at the office of the American Farmer, or with Capt. Jesse H. Willis-as the time of his remaining here will be but short, and the number of Mares limited.

We have not been able to discover our correspondent who wrote the communication about the cheapness and advantages of Maryland farmsanother correspondent enquires—"can you point out 100 to 200 acres of naturally good land, well watered, not too many rocks and stones, within 12 miles of a turnpike road, a western of not the direction from Baltimore, not exceeding 15 miles, in Maryland.

Also, the full blood Horse "Ottrington," raised by Coton Fee, sot by Top Gallant, who was go miles of a turnpike road, a western or northwestern

25-New Medical Work.—An edition of Doctor Gregory's Elements of the Theory and Practice of Physic is in the course of republication at Philadelphia, and will be enriched with valuable and extensive additions, adapted to the practice of this country, by Professor Potter, of Baltimore, and Doctor Samuel Colhoun, of Philadelphia. We understand Gregory's Elements of the Theory and Practice of the system of Gregory possesses great advantages over those of Thomas and Good. It embraces clear and comprehensive views of the principles of the science, in which the former is defective, and it is free from the detail of Nosology, which encumbers and obscures the merit as well as injures the practi-cal usefulness of the latter.

With the facts which are useful to the practitioner in this country, given by the above gentlemen,

a most valuable depository of knowledge, and be useful to the schools of this country, as well as t practitioners, who want in the daily routine of their Baltimore, Friday, October 13, 1826.

Specifically to Columcia, will appear in ments of this country, and the facts and views all ready accumulated by its most respectable authorities, will be given as far as the limits of the work will allow, and will, it is hoped, add much to it

FRUIT TREES, GRAPES, &c.

The subscriber, proprietor of the Linnæan Botani Garden and Nurseries, at Flushing, near New York offers to furnish the public with such Trees and Plant as they may be in want of. The collection of Frui Trees of all the various kinds, and also of Ornamenta

in addition to the numerous acquisitions of former ment of Grapes consists of above 250 kinds, and com prises the finest Wine and Table Grapes of France Germany, Italy and the Crimea.

The Proprietor having acquired extensive information on the subject from actual observation and experi thim.

able to any particular locality; and where such select tions are left to him, he will send such as cannot fail to succeed. He also offers them, in assortments of on-

dozen each, at the following prices:

For the first assortment the price will be eight dollars for the second six dollars, and for the third four and half dollars:

Persons who order Grapes will be furnished with di

rections for their culture.

His collection of Roses exceeds 500 varieties, and o as most beautiful and interesting. Catalogues may b obtained gratis of the different agents throughout the Union, and orders through them, or by mail, (post paid will meet prompt attention.

WILLIAM PRINCE,

Cor. Mem. of the Linnwan Society of Pari of the Horticultural Society of London and of the Imperial Society of the Geor gofili at Florence, &c. &c.

F. MILLER, at the office of the America Farmer, will receive and transmit orders for any thin for sale at the above establishment. Oct. 13.

FOR SALE.

A full blood Mare, got by old "Eclipse Herod" o of the Dairy Maid; she was got by Holmes' importe horse Bedford, and out of General Ridgely's mar Racket.-She is 11 years old last spring, good size sorrel, ball face and cropped ears, and has been a win

Riehard Caton, Esq. got by Top Gallant, who was go by "Diomed," the sire of "Sir Archy," and out of full blood Virginia Mare. Ottrington is a blood ba the Mare is \$300; Ottrington, \$400.

Luttimore.

CONTENTS OF THIS NUMBER.

On the use of Lime in Agriculture-Extracts fro late English papers, shewing the State of Trade, &c. England-On the Culture of the Potato-Sheepcular from the Secretary of the Treasury, containing linquiries on the culture of Silk—Wines and Grapesas also those of note and authority in the science, as large Cucumber—Cheese Making—Poetry—Temper—far as they can be embodied in an elementary work, Union Course Races, Long Island—Races in Virginia the system of Dr. Gregory will, it is conceived, be —Editorial—New Medical Work.

PRICES CUPPENIC

	PRICES C	UR	REI	AX				
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3,	ARTICLES.	per.	from		to	-	om	to
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Skinner, Editor, by John D. Tov, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

CURWEN IN REPLY TO COLUMELLA RE-VIVED-No. 1.

MR. EDITOR,

tute of limitation, or any other statute adapted to the countries where they are shorn," * * * * * the case, to be enacted, which shall confine your your "FRIENDS," whose opinions you solicit, from none other yielded an exuberance of yolk, is the necessity of rejoinder eight months after the dis- groundless. cussion had ceased, when the points of dispute had had commenced the attack.

him of intention to take any unfair advantage, nor stapler had not discovered in his pursuit of truth. to omit that which, he conceives essential to the who is received by Parry, Somerville, McKenzie, have usually the Greatest quantity of yolk?"

Lawrence, Parkinson, the Highland Society, the

The Bath Society, contending, "however hand Bath and West of England Society, and by the some the shape, however fine the wool, reject him. BRITISH AGRICULTURAL BOARD; and I may add, if he have not a thick coat, in which there is PLENby every breeder and writer of note whom I met TY OF YOLK?" abroad.

a breeder. The wool staplers are the persons upon FINE WOOL?" whose judgment the decisions at the British shows, being a dealer in wool, whose daily pursuits and sup- TION?" port are intimately connected with wool, certainly does not detract from his interest in the discussion, urging that "the fleeces should be well suphis means of information, nor the probability of PLIED WITH YOLK?" his telling the truth.

And I would ask, are not his facts in connection ance in their force, as the hare assertions of an to their approximation to the pure Spanish?" anonymous writer, who gathers the notions of purchasers of sheep at a vendue, whose names are withheld as well as his own?

authority on yolk. This I deny. Curwen gave supporting these opinions in the most decided Parry—Communications to the British Board of terms? Agriculture, vol. 5, (1897) pages 342, 343, 344, 355; rol 5, (1808) page 169—Appendix to the General mirable defence of Spanish sheep, not only to the Report of Scotland, (1814) page 183—Complete wool covering the very face and legs, but to "the Farmer, quarto—and Churchman, a rennsylvania great quantity of yolk?" breeder, (American Farmer, vol. 7, p. 341) all showing the importance of yolk.

Columella remarks-"But to return to Mr. Luccock,-let us hear what he says of his own experience in Merino sheep, the only race in which an seen," says he, "any of these animals or their produce, which are said to AFFORD A STAPLE EQUALLY

would appear that the yolk is produced in equal their pursuit. quantities in every part of the carcass."

Upon this, and this only, with the "exuberance" of that race."

I will not ejaculate, "admirable discovery!" ex-

Columella's conclusion.

The "wool stapler" says, page 85-"I have not yet seen any of THOSE animals, or their produce, FROM EVERY PART OF THEIR BODY."

Columella urges-

Ergo, Luccock "HAD NEVER SEEN A MERINO, OR farmer,) "to keep them warm." EVEN A MIXED BLOOD OF THAT RACE."

Has Columella ever seen sheep, which afford a

If he have not, "by parity of reasoning," HE cannot have seen a MERINO SHEEP.

I wish in your supremacy you could cause a sta- are eagerly sought after by the manufacturers of ments of man, or created by opposite circumstances

Thus the inference, that he referred to the Mericorrespondents within a definite term, and defend no breed, founded upon Columella's opinion, that lated to the mountains of Scotland, he would not

But if Luccock had said, that he had never seen passed from the recollection of your readers, and in a Merino sheep, with wool equally fine throughout of a Scotch mountaincer. some cases it would appear, from the parties who every part of its body, what would it prove? Not arrive at truth. I have no disposition to accuse to their favourite race, excellence, which the wool

Will Columella ridicule the British Board of case. He calls in question the authority of Luccock, Agriculture, telling us "that the FINEST FLEECES,

The Bath Society, contending, "however hand-

The compilers of the General Report of Scotland. He tells us that Luccock was a wool stapler, not saying that YOLK IS "NECESSARY TO THE GROWTH OF

The "Complete Farmer," declaring that "yolk upon the quality of the fleece, mainly depend. His renders wool SOFT, PLIABLE, AND IN PROPER CONDI-

Shepherd, an English breeder, asserting that YOLK protects the sheep from the injuries of cliwith wool, to be received with quite as much reli- mate, and is found in mixed breeds, in proportion

Mr. Roberts, the President of the Pennsylvania

Agricultural Society, and

Baron Schulz, of Sweden, and Sir John Sebright, Columella asserts that Luccock is Curwen's chief in his letter to the President of the Royal Society,

Lawrence, a celebrated writer, ascribing the ad-

It is idle to object that the opportunities of the

English breeders were small.

If Columella require authority to shew, that Parry and Somerville are not objects for ridiculethat they are not ignorant of the subject, upon exuberance of yolk is found," page 85. "I have not which he would fain make it appear, that all men, who agree not with him, are "speculative," "unskilful," or absurd, I would refer him to the Bath FINE FROM EVERY PART OF THEIR BODY; but conject papers, complimenting Lord Somerville and Dr. ture that if this breed were minutely examined, it Parry, ascribing to them "FAME UNRIVALLED" in

I am sorry to rob this agreeable writer, of any part of the interest which his lucubrations cannot of fancy, which has discovered analogy between fail to beget. But as he began in the last year the natural covering on "sailors' legs," and wool upon a sheep's back, Columella imagines that "Luc ment, I am sure, he will forgive me for thinking. ment, I am sure, he will forgive me for thinking, coek had never seen a Merino, or even a mixed blood that he is in error as to fact, when ascribing to

Luccock, that which he did not say.

The wool stapler, in giving the practice in the quisite fancy! but merely take Luccock's words, and northern parts of the kingdom, and on the hills of Scotland, observes, "some of the breeds of sheep produce it, (yolk,) in such small quantities as to render it unsafe for the farmer to expose his flocks which are said to afford A STAPLE EQUALLY FINE, to the severity of the winter quarter, unless he furnish them with an artificial covering of grease, mingled with tar, in order, as HE SAYS" (i. e. the

Columella's corollary, that therefore the "chemico-physiologisls" of Scotland accuse Nature of negstaple EQUALLY FINE from EVERY PART of their lecting her duty, is, I apprehend, founded in conception of that which had not been said.

Without chemico-physiological knowledge, or great depth of research, a man may be satisfied. Luccock had said-"The celebrated breeds of that some breeds of the various kinds which are BERRY, of Castile, and of Persia, we are inform- found on the incuntains of Scotland, may have in-ED, furnish the most copious supply of yolk, and at herited through their ancestors defects in constituthe same time yield those valuable fleeces, which tion and fleece, imposed by the artificial arrangein different climes.

I would inquire whether if Columella were transcovet some "noble fellow's tarry trowsers," when condemned to the use of the Highlander's kilt, however ample for the protection of the vigorous loins

What would be thought of a breeder of horses, that he had not seen Merino sheep, but that he had who should expose his whole stud to the rigors of Columella, I have no doubt, honestly desires to heard the idle tales of Merino breeders, ascribing winter, when he required from them the exhibition of the best properties of their race, although he should know that our northern savages inure their steeds to every species of hardship, and frequently to want of food

I hope as Mr. Powel's "public spirited" teacher has quoted a Latin phrase, I may be forgiven in opposing the grave opinion of Columella the ancient. to the "speculative" illustrations of his playful namesake.

"Sæpius ejus lana diducenda, vinoque et oleo insuccanda, nonnunquam etiam tota est eluenda, si diei permittit apricitas idque ter anno fieri sat est."

"Nec dubium est quin etiam ob eam rem lana quoque mollior atque prolixior renascatur" (Columell. vii. 4.)

(Communications to British Board of Agriculture, vol. 5, p. 517.)

Powelton, Sept. 30, 1826.

CURWEN.

(From the American Farmer, vol. 7, Det 30, 1825.)

"Sir,-I have observed some remarks in your useful paper, on the different breeds of sheep, from the pen of that very able and public spirited improver of stock, Mr. Powel, which I am led to nutice on account of some errors into which be has been inadvertently led; and which, if not corrected. might mislead those who are about to engage in the propagation of that valuable stock. I allude more particularly to Merinoes, as being by far the most valuable race of sheep in this, or any other

When this stock was imported into the United States, there were many rules laid down for enabling unskilful persons to judge of their properties; and Mr. Powel may have been led by these to adopt opinions which his own intelligent observation would soon have corrected. For instance-it was remarked by Chancellor Livingston and other writers of that period of inexperience, that the best Merinoes were distinguished by large dewlaps, an exuberance of yolk, and a covering of wool over their faces and legs.

Experience has taught those who have paid the slightest attention to the propagation of the animal, that neither of these marks are to be relied on, if indeed they are any guide whatever. The covering of wool on the head and legs is almost peculiar to young sheep; the pendant dewlap is often covered with coarse hairy wool, and the abundance of yolk is rarely found, in the best woolled animal; nor is this Ingredient, at all necessary, much less "essential," as Mr. Powel supposes, for the "support of the fleece," whether he means by this expression, the preservation of the fleece, or the maintenance of its quality and value. An excessive* secretion of yolk s probably a disadvantage both to the animal and

No. 31. -vol. 8.

^{*} Excess in yolk, as in all things, should be avoided. Mr. Powel had observed the finest flocks in France and England, where during some years he had ample op-portunities of personal "observation" which have been confirmed by inspection, of various flocks from Georgia to Maine.

the wool, it causes the adhesion of much dirt and essential. The breeder would define the wool, it causes the adhesion of much dirt and essential. The breeder would define the wool would be weak, which are injurious to the wool. If any such as yolk, &c. Experience has shown him that person will take the trouble to try the strength of a without yolk, the wool would be weak, harsh and will frequently have the correctness of their opinions questioned. There can be no discussion without it, lock of wool filled with dirt by excessive yolk, he brittle. will find it too tender for any useful purpose, and the more yolk the worse."

COLUMELLA.

SHEEP.

COLUMELLA ACCUSED OF FELO DE SE. A letter from James Caldwell, Esq., on Sheep. Philadelphia, October 2d, 1826.

My Dear Sir,-To the queries which you have done me the honour to address to me, I have no hesitation in answering generally in the affirmative, viz. I have generally found the finest fleeces to contain the most yolk. Yet I have known exceptions to this general rule, in sheep that appeared to have a peculiar secretion, and concretion of the lave examined most of those importations and yolk; those exceptions however have been so rare, found none equal in value, in my estimation, to the as to establish in my opinion the correctness of the variety, of which this engraving shews the characto to the consequence of these lands in an agricultural

Merino fleece to have an abundance of yolk; and ed. You will observe that the head is covered with in this opinion I appear to be supported by a very wool down to the nostril. Bare heads are apt to be asserts that "all who have seen badly selected Me-appears to have mistaken for Southdowns, in Maryrino flocks, imported or native, must know, that land and New Jersey, &c. there are often to be found among them individuals actually inferior in fineness of pile, to the ordinary

greater extent."

Is not this an admission, that yolk is a characteristic mark of the Merino, by which its identity is confirmed, when compared with sheep of even finer fleece; and that, without attending to this characteristic, an uninstructed breeder, might be induced the half blood was the pure Spanish Merino.

half bloods, while they abound in yolk to a much

This fact then is sufficient to establish the necessity of attending to characteristic marks, such as yolk. &c., and is a sufficient answer to your third Merino sheep.

and fifth queries.

In reply to your second and fourth queries, I have no hesitation in saying, that all who have paid attention to the subject, must be aware of the fact, that an individual of an ordinary breed might accidentally be endowed with qualities superior to the generality of its race. A horse, for instance, might possess uncommon speed, but it would be imprudent to breed from such an animal for the purposes of the race course, without the corroboration of breeders' term, "go back?" marks which good judges could not mistake, to ascertain with precision the stock to which it belonged. And here again I have the happiness to find myself supported by Columella. In allusion to sheep?

shewn that fineness and uniformity are the most es. as other live stock osed on our farms. sential ingredients in the value of a tleece;" and that "there is no occasion for examining other marks, such as yolk, dewlaps and woolly heads."

"By parity of reasoning," might he not have To James Caldwell, Esq. said, experience has shewn that speed is the most

and careless manner in which I have answered greater necessity for controverting opinions which your queries, but I could not prevail upon myself may be deemed incorrect—they become more valuato treat the subject in any other way, in consequence of the conviction I felt that every experience of the conviction quence of the conviction I felt that every experienced breeder must concur with Columella and mot knowingly publish any thing personally offenmyself in the opinion that an abundance of yolk is sive, and are fully persuaded that in this case nothessential to; a Merino fleece, and that characteristic ing of that kind was intended.] marks must be regarded in selecting breeders of that or any other race.

I beg leave to present you an engraving of one of my ewes, which in my opinion has all the characteristics of the best variety of the Merino.

It must be perfectly well known to you that many varieties of the Merino were imported from Spain. teristic marks. I would not have exchanged that point of view, is, at the same time, wasting those It is also in my opinion, a characteristic of the ewe for the best Saxon Merino I have ever examin-

With the greatest regard and respect, Your obcd't serv't.

JAMES CALDWELL. JOHN HARE POWEL, Esq.,

Cor. Sec. Penn. Agr. Soc'y.

Powelton, October 1, 1826. My DEAR SIR,

Your large purchases of some of the finest Merito believe the true Merino to be a mongrel, and that noes, which have at any time appeared in America, are least expensive of any that are worth purchasing; and the zealous efforts by which you have so extensively distributed them, give to your opinions much siderable distance short of \$5 per hundred. A farm weight upon the characteristic marks of high bred of \$60 rods in length and 100 in breadth, will re-

1. Have you not found that THE FINEST FLEECES GENERALLY CONTAIN THE MOST YOLK?

2. Do you not regard the forms of merinoes?

3. Have you not reference to CHARACTERISTIC MARKS or appearances, as well as to the quality of the fleece in selecting breeders?

4. Do you not suppose that individuals might be found with very fine fleeces, but whose progeny, from the impurity of their blood, might, to use the the amount, for that time, including the necessary

THE BEST MEANS OF DETERMINING the purity of blood

distinguished by every amateur as the best, and is mer 1 hope you will pardon my asking your permission, to make public your reply, more especially as you must recollect my visit to your flocks in Jerobserved in the very same paper, signed by Col. observed in the very same paper, signed by Colutaken both in Europe and America to obtain facts, mella, the following remarks: "Experience has in connexion with the improvement of sheep, as well

1 am, sincerely, yours, JOHN HARE POWEL, Cor. Sec. Penn. Agric. Soc'y

essential ingredient in the value of a race horse, it is but an act of respect due to our correspondent, ciently plenty for a full wall. There are, however, and that there is no occasion for examining marks. to ourselves, and to truth, to explain that Columella, but few places (I speak particularly of the pine Speed and bottom are probably all that would be in No. 27, was delayed by the absence of the editor plains,) where stone occur in sufficient quantity to required by the jockey who entered his horse for and a wish, if the discussion could not be stopped, to answer any purpose in this way. The farmer, therethe race, but other distinguishing marks, which have the piece revised by the author, which he fore, who has located himself in such a situationi good judges cannot mistake, will be sought for by cheerfully complied with, and returned it 9th Sept., must look forward to no very distant period, when saying his only fear was, that exception might be ta- he will be constrained to adopt some effectual and The manufacturer, however, would not be satis- kee by the writer with whom he was maintaining less expensive mode of protecting his fields, or suffer field with fineness and uniformity of ficece alone; he a fair and friendly discussion, at his "seeming new them to become an exposed and uncultivated waste, would require strength, softness and elasticity as gleet." Let us here add, that though we invite all in this situation, the only effectual remedy which

the wool; it causes the adhesion of much dirt and essential. The breeder would demand other marks, our "friends" to communicate for the American Perhaps I ought to apologize to you for the light and the more weighty the name of the writer the

ON LIVE FENCES.

Perhaps there is no one subject calculated to produce so much anxiety and apprehension among the farmers of this country, as the deficiency in fencing materials: this deficiency is, at present, mostly confined to what is usually termed the pine plains, or pine barrens; and while every day is adding much materials necessary for their enclosure, and conse-

quent protection of the crop.

In the mountainous districts, the great quantity intelligent writer in the American Farmer, under accompanied by bare bellics, and light fleeces, of timber yet remaining, and its rapid reproduction the signature of Columella. In vol. 8, page 211, he as was the case with those sheep which Columella where it has once been cleared off, will, probably, continue for centuries yet to come to supply all the wants of those who cultivate these lands, and, under a proper course of economical restrictions, may be made to furnish great quantities for the use of those districts less congenial to its growth or reproduction. The expense, however, attendant on the purchase and transportation of rails, will, I apprehend, be found altogether insupportable by the common farmers of our country.

Rails of chesnut (Castanea Americana) and black ash (Fraxinus Rubescens) are those most in use, and these cannot be bought and transported to any conquire allowing 21 rails to every two rods, 5460 rails to enclose it, and, if we suppose the same farm divided in eight rectangular lots, 4830 more rails will be wanted to complete the enclosures, making in the whole, 10290, which at the above price of \$5 per hundred, will amount to \$514.50. Supposing this fence, when well set to last fifty years, which is the longest period it can be supposed to endure, and calculating the interest at seven per cent. per annum, annual repairs, &c., will fall but little, if any, short \$2,500-and this in actual disbursements of cash,

without including any thing for labour.

The fence made with posts, boards, nails, &c. is sumewhat more expensive, and, probably, not so durable. Stone wall is still more expensive in the out set, but is, when well made, imperishable; and where stones can be procured at hand, is undoubtedly the best and cheapest of all fences. There is another species of fence which is now in use in some parts of Europe, particularly in Ireland: it consists of stone wall raised two feet, upon the top of which is inserted the trimmings of the common hedge, and likewise the limbs cut from the fruit trees, in an upright position, in close and regular order, so as to form an effectual barrier to most of the domestic animals. It is called a bearded wall, and is a cheap [As our editorial conduct is brought into question and convenient resource where stones are not suffi-

some parts of Europe, such is the scarcity and high important purpose of live fences. prace of timber, that for years past it has not been used for fencing at all; the fields are occasionally after ripening, do not vegetate in less than eighteen are off and destroyed by the grub. He took no preenclosed by walls of stone or banks of earth, but by or twenty months, and it is necessary, in order to caution in preparing the seed, they were planted as used for fencing at all; the fields are occasionally various shrubs, selected with a view to the situation this purpose, the thorn berries or haws, are to be showed any signs of vegetating. the sence is to occupy, or the nature of the soil in gathered as soon as they are ripe in the fall, mixt which it is to grow; hence the sweet briar, (rosa ru- with several times their bulk of rich earth, and exbigsnosa) the sloe, (prunus spinosa) and the common posed to the weather in some secure place through covering them with bolding water, in which they are elder, (sambucus canadensis) are, sometimes, culthe winter; during the ensuing summer, they are to
to remain till perfectly cool. A process somewhat
tivated for fences in England and Ireland; and in
be frequently stirred, and after being exposed anothsimilar certainly succeeds with the seeds of the lothe south of Europe, and on the islands in the Mc er winter to the frost, they will be fit to plant the cust, which otherwise are as long vegetating as diterranean, the bitter aloe, (aloe spicata) and the following spring, which should be done as early as prickly pear, (cactus opunta) are in common use; the season will permit. They vegetate immediatebut of all the shrubs employed for this purpose, the ly, and will be fit to transplant the next season, or common haw or white thorn of the north of Europe, they may stand in the nursery two or three years, (cratagus oxyacantha) is deservedly the most esto suit the convenience of the cultivator. teemed in that country.

the depth of two feet, making the depth from the feet. This ditch and bank serves the double purpose of protecting both the field and young plants from the intrusion of animals. When the plants become sufficiently large to prevent cattle from pass-

The preference given in Europe to the English white-thorn for hedges, has induced almost every writer on the subject of live fences in this country, to recommend their introduction here, and even William Cobbett, the last man in the world that would be suspected of partialities for English thorns, observes, in recommending live fences to the attention of our farmers, that the knows not how to get own countrymen, seem to have been conducted rathose already inured to our climate.

The crategus or haw-thorn, (so called because it produces a berry or fruit, which, in England, is call- and its closeness greatly increased. ed a haw, and this term is applicable to the whole genus, for they all produce the haw,) is a genus of enumerates eleven species as indigenous to the U. States, and Amos Eaton, in his Manual of Botany, describes eight as belonging to the middle and found more applicable to our purposes of cultiva-during the past and previous season, planted up

the yellow berried thorn, (c. flava) and the cock's where they were growing spontaneously of course; I dare venture to say, we shall hear no more of the spur thorn, (c. crusgalli) all grow wild upon our they are of different sizes, and, probably, of different want of success. Guided by his own observations

pres and itself, is the cultivation of live fences. In timate success of his efforts to cultivate them for the

The seeds of the thorn, if planted immediately

The quick-set-hedge, as it is termed in England, hedge, the ditch and bank, as practised in Europe, ed, vegetate soon after they are dropped. I am not is constructed in various ways, but the most usual must be dispensed with altogether, particularly upon mode is that with a ditch and bank; it is commenced the sandy plains; and it is doubtful if the practice ments, but think they are well worth trying. by digging a ditch five or six feet wide and about will succeed on any soil in the northern states. Such three feet deep; the earth, as it is removed, is placed is the severity of our winters, and the transitions my surprise and regret that the farmers (particular-upon the side of the ditch where the hedge is to from excessive drought to excessive moisture of our ly in some parts,) of this country have not yet turnstand, and when it is raised about one foot, the summers, that the banks, however well constructed, ed their attention to the cultivation of live fences: quicks, or young plants, being previously cut down soon crumble away under the influence of these they certainly must resort to it, and the sounce they to within three or four inches of the roots, are placed operations, and the plants, being thrown out of the begin the better: they have now, the must of them, horizontally on the edge of the bank, next to the earth, soon perish for want of sustenance. Prepare sufficient fencing materials at their command for ditch, at the distance of six or eight inches from the ground, then, where the fence is desired, by protecting the quicks until they are large enough to simply ploughing four or five furrows, and this is all protect themselves; but if they delay, a few years that is necessary where the soil is in good order; but will deprive them of these materials, in which case, each other, and the earth is then piled over them to simply ploughing four or five furrows, and this is all top of the bank to the bottom of the ditch about six if it be a light sandy soil, it will be necessary to pass they must be purchased, and thus an expense inthe plough twice or three times back and forward, curred that might be dispensed with altogether, if exactly where it is intended to place the quicks, and the work be immediately began. the trench or ditch thus made, is to be filled with manure, compost, or swamp muck, or earth from ing, the ditch is filled up by ploughing down the side opposite to the bedge, and the space is then the surface is made smooth and even, draw two patilled. The subsequent treatment of the hedge con- rallel lines six inches apart, directly over the manursists in little else than preventing the plants from ed trench, and having previously prepared the plants mounting up too high, and in conducting the lateral by cutting them down to within three inches of the

The spot must now be protected from the intrusion of animals by temporary fences, erected for the purpose, and the plants thus secured, must be kept clean from grass and every thing else which might be supposed to choke or impede their growth. On ther with a view to the introduction of a foreign quent treatment consists in nothing more than simshrub, than the cultivation and improvement of ply clipping the ends of the twigs, which is best performed with shears made for the purpose, by which the fence is kept in regular and proper shape

This is the whole of the process required, in this country, to obtain an effectual and everlasting proplants belonging principally to North America. tection to our fields, a process extremely simple and Nuttall in his Genera of North American Plants, perfectly within the means of every farmer, and perfectly within the means of every farmer, and durable as the soil on which it stands. that, without the expenditure of a single cent in cash.

Mr. Davis, of the town of Saratoga Springs, in northern states. It would be singular, indeed, if the county of Saratoga, is the first, and only person, some of these shrubs, inured, as they are, to the vithat I know of, who has attempted the cultivation of cissitudes of our climate and soil, should not be live fences from the native thorn in this vicinity; he tion, than any that could be introduced from abroad, wards of 2000 in the manner above described. He The common thorn bush, (cratægus coccinea,) procured his plants from the woods and fields, pine plains, upon the very spot where they are species; they, however, appeared to be doing well, and reflections, he will soon be able to select the wanted, and by their shape, their size and their and, although planted on a light sandy soil, without shrub which nature seems to have designed pecu-

Mr. D. informs me that he gathered a quantity of the haws and planted them in his garden; they came up at the usual time, but they were all immediately far the greatest proportion of all the enclosures are ensure success, at even that period, that they be soon as they were gathered, and they lay in the surrounded by live fences; these are constructed of subjected to a certain process of preparation. For earth two winters and one summer, before they

> It is said, that the seed may be made to vegetate much sooner by placing them in a tub or barrel, and those of the thorn.

It has likewise been recommended to immerse the seed for forty-eight hours in a solution of green cowdung and water, kept at a temperature of 100°: the suit the convenience of the cultivator.

In preparing the ground for the reception of the that those seeds which pass through cattle undigestacquainted with the efficacy of either of these experi-

I cannot dismiss this subject without expressing

A man, in a common season, may gather seed enough in one day to plant a large nursery, and if these are properly prepared and planted, the young quicks will be fit for transplanting the third season. Let the farmer begin with his outside fences first. and, if possible, in a field which he intends to till for shoots so as to fill up and secure the vacancies between them.

secure the vacancies between them.

secure in the field, an out side fence
ten or twelve inches thus: will be all the protection wanted. At the end of from six to eight years, the plants will have arrived to that state of maturity when no further protection will be needed; this may then be removed to accommodate other places.

Thus by successive planting, say one hundred tion of our farmers, that "he knows not how to get the third or fourth season they are to be again cut the plants, unless he brings them or their seeds from England;" and even the experiments of some of our of two as the earth; after which, in the course England;" and even the experiments of some of our of two or three years, they become so thick and days, he will infive years, with very little other excompact that nothing can pass them. The subse- pense, have a farm of one hundred acres completely surrounded by all the necessary materials for an everlasting fence; and in twelve years from the first planting of the seed, at the utmost extent, the persevering farmer will begin to reap the reward of his enterprise and exertions in the full maturity of his first efforts, and each successive year will add another, and another portion to that already perfected, until every lot be securely protected by a fence, as

If we have had discouraging accounts from those who have attempted the cultivation of live fences heretofore, it is because the efforts have been made, rather with a view of seeing what might be done than of doing what must be done. There is nothing which gives so much efficacy to an experiment as the necessity which drives us to the measure. Let the common labouring farmer undertake the rearing of hedges, under a full persuasion of the necessity, and hardiness, afford to the enterprising and enquiring manure of any kind, are apparently luxuriant and liarly for his purpose, his own native thorn in preferagriculturist, the best and surest evidence of the ulhealthy.

[Saratoga Sentinek]

A NEW AND VALUABLE GRASS.

Franklin, Missouri, Aug. 20, 1826. MR. EDITOR.

of this state, and one which, in my estimation, will other grass now reared in our meadows.

By a motive of mere curiosity, I was induced at first to notice this grass. Its singular mode of producing its secds excited my attention, and though I year, would be 415,800 lbs. of dry hay. was 150 miles from home, I took up a root and car ried it to my garden, in which place it has grown mathematically possible, yet I cannot believe it to Mr. Dubois, I have been induced to send you the were present at the time.

extraordinary beauty and luxuriancy of this bunch much, provided they did not injure the growth of rows of corn, (which any person may see by calling on me,) raised by Mr. Cox. I send you a few of grass, when it was proposed that it should be each other by too great proximity. cut and weighted. This was done immediately and the weight was 52 lbs. The weather being fine and dry, it was sunned for four days, and then tied up number 10,890, and one half of these 5445 only, in a bundle and carried to the house. On the 14th, set, alternately, through the whole acre, the product being seven days after the cutting, it was weighed would be 108,900 lbs.

again, and it then drew 20 lbs.

farther, making the sheaf, altogether, about 8 to 9 probability, if not absolute certainty, get 100,000 feet in length. When growing, the blades of this grass will average something more than 4 feet in with this grass. length from the stalk, and something more than \$ of an inch in width. On this day, being the fourteenth from the first cutting, I measured the blades attempt to pourtray its botanical insignia, in the lanthem to have elongated about 18 inches. This fact induces me to believe that I may get a second crop nearly equal to the first, provided the frost does not blades.

Since this grass was put up, it has been shewn to many occasional visitors, three or four of whom have joints, and at the time of flowering, each one has a woods, generally possessing a good range for cattle. stated that they knew the grass, and that it was to whom I myself very well knew, has used this kind of hay for several years, in preference to any other. His reasons for this preference, were to me fully satisfactory. First, because his cattle, being mostly work steers at the salt licks, were fonder of this than they were of any other kind of hay-and, secondly, because he could, in addition to this, procure five times as much of this kind of hay, in one day, as he could procure in the same time, of any other. From this relation, taken as a fact, and from my own observation and knowledge of the grass, I have concluded that it is good.

Let us then see the possible product of one acre,

in one year.

The English acre contains 43,560 square feet. square feet in an acre, be divided by 4, the contents of a square block whose sides are 2 feet each, the on one acre. This number being multiplied by 52 from plant to plant. pounds, the weight of green grass growing on one block, will give 566,280 lbs. the product of one acre

is 2 feet, bears to the contents of a square whose those of the ancient Tadmor of the wilderness. sides are two feet, the proportion that 11 does to 14 Sir,-Enclosed are a few seeds of a grass, native Therefore 11:14::217,800=277,200. This would be the product of one acre of dry hay of this kind J. S. SKINNER, Esq. more effectually remunerate the cultivator than any of grass, supposing each foot of the acre to produce as much as one did of the sample before us-supposing the second crop to be half equal to the LARGE EGG APPLES-AND LARGE CORN. first, the greatest possible product of an acre, in one DEAR SIR,

about four years. The continued increase of the be probable. Let us then make the estimate in a following: size of this one plant has, this year, led me to make mode which all will agree to be practicable. Say An egg plant, raised in Mr. Cox's garden, which some experiments of its usefulness, the results of that one fourth of this quantity can certainly be had been pulled and drying in the sun six or seven which astonished me, as well as it did others who were present at the time.

raised, by any careful manager, from any good weeks, weighed 9 lbs. and measured 28½ inches on ground. I cannot well doubt that, as this bunch, Saturday last. The gardener says it must have lost On the 6th of August, instant, there were some covering a circle of two feet diameter, has producof my friends on a visit from other states, and seve- ed 20 lbs. of good hay, it would be practicable for inches in circumference. ral of my neighbours, in the garden admiring the another circle of two feet diameter to produce as

We will then suppose an acre to be laid off into grains to shew the quality.

It seems to me reasonable to conclude, that if the This bundle of hay, for it was tied up in a straight area of 5445 circles of 2 feet diameter, being conbundle, is now in view, and the blades reach about siderably less than one half the area of an acre, can 6 feet in length, forming a cylinder of about 5 feet produce 105,900 lbs. of good dry hay, at one cutting length, equal in diameter at this distance from the —and if further, the second cutting in the same root, to what it is at the butt end, and the seed year, should be equal to but half this quantity, the stalks (which are but few,) projecting about 22 feet cultivator of this grass may, to a high degree of

This grass has has not been described by any agriculturist whose works I have seen; nor shall I it bears no seeds earlier than the second or third of the Indian corn tassel-that the seeds are em- soil, owing to a want of rain. bedded in the stalk about half way between the soon as the seeds have been matured, and com-with lime: and the river runs over a bed of lime mencing at the upper end. To give you a com-plete view of the whole, I have sent you a tassel Tallahasse and Quincy are situated in the upper

Dean Swift, if I remember right, has observed, being touched with lime. that he who shall make two grains of corn, or two weight of dry hay, which grew on one block, the product will be 217,800 lbs.

But the ground on which the hay grew, was not a square of 2 feet sides; it was a circle of 2 feet di-

The contents of a circle, whose diameter jour country shall be as little known, as are now, Respectfully, your obed't serv't

JOHN HARDEMAN.

Georgetown, Oct. 10, 1826.

Seeing in your paper of last week an account

two or three pounds in drying, and three or four

I have now in my hand an ear of corn with 36

Yours, respectfully, JOHN THRELKELD.

[We earnestly wish to make this autumn, a collection of remarkable ears of corn for General Lafayette; remarkable for size, whether large or small, colour, &c. &c.; each ear will be labelled with the name of the person sending it, or with any other name which such person may choose it should bear amongst the General's collection of American curiosities and rare things.]

J. S. SKINNER, Esq., Newbern, October 1, 1826.

Sir,-I have lately made an excursion into Florida, from Newbern by way of Fayetteville, Camden, which have since grown from the root, and found guage of this science; but I will say in English, that Society Hill, Columbia, Hanburgh, Augusta, Louisvike, Hartford, down the Flint river to Quincy and year after being planted-that the seeds are pro- Talahasse, and their neighbourhoods, and upon the duced at the end of a long stalk, say one at the end land granted to Lafayette. Along my route of 700 commence earlier than usual. The hay is finely of another to the length of 3 or 4 inches, and at miles the crops of corn and cotton were very infescented, having the fragrance of the best cured corn the end of these is a tassel similar to a single spike rior—some of them quite desperate—even upon good

The country along the Flint river is an open piny short crooked fibre resembling the silk of Indian counted in one pen one hundred and forty calves, corn—that the tassel drops off shortly after it has which looked well. The owner said he had forty or be found in the prairies within a few miles of my house. One of these stated explicitly, that a man, shed its pallen on the silk, and the joints, each conshed its pallen on the silk, and the joints, each conshed its pallen on the woods. taining one seed, which drops off one at a time, as The country is sickly: the water is impregnated

with the seeds, and if you will take some five or six country of Florida, removed from open navigation of the latter and attach them to each other after and fish. The latter place is ten miles south of the the manner that the rattles of a snake are joined, northern boundary line of the territory, and about you will then have as correct a knowledge of the 20 miles east of Appalachicola river, in a hilly counwhole apparatus of fructification as I can give. I try, abounding in springs of excellent water. Talbelieve it would be properly classed with the Zea lahasse the capital is 25 miles eastward of Quincy: Maize. This grass grows spontaneously on the low contains about a dozen framed and as many log grounds of our prairies, not on wet, but on lands not rather moist than dry. The bunch which I have in of bad bricks—two stories high, a flat roof, and ocmy garden is on a rich sandy loam, rather dry than cupies the centre of a hill which descends in every wet. I would advise the planting of the seeds on a direction. So soon as the streets are used, gullies The English acre contains 43,560 square feet. Wet. I would advise the placed about six will be formed in them, and they will require a confect diameter. Suppose 43,560, the number of inches apart, and covered about one inch with stant repair. Adjoining this place is the land grant-groupe feet in an agre, he divided by 4 the contents mould. After they have taken one year's growth they should be transplanted to the place where de-quality. Here the land generally is rolling, and the of a square block whose sides are 2 feet each, the diey should be transplanted to transplanted

About these two places the lands are good, con-

wood, poplar, magnolia, bay, gum, pine, very thick as we call it, the black mulberry, will not succeed, locust. Such are its most important uses, which ly set with, sometimes, cane. This hammock land for that is the part of the United States where alone should engage the American proprietors to preserve the country, and is bordered by little streams, recreek or river.

be healthy. 'The thermometer ranges at 85. The from the equator.

Further your deponent sayeth not.

Our crops of corn and cotton are very inferior.

HORTICULTURE.

SILK, OF EXCELLENT QUALITY,

From the common American Black Mulberry. South Union, Jasper Valley, Ky., Sept. 12, 1826. Respected friend J. S. Skinner-

Along with the "Navigator" I send you 4 skeins of silk from the black mulberry. This is entirely at your disposal. The design of sending this silk, is mostly to find out through the Farmer, if practicable, whether this silk from the common black mulberry of our forests, is not equal, if not superior, in strength, and in its manufacture for sweetness in following the needle, to that imported and said to be produced from the white mulberry. The cultivated genius of an experienced lady's fingers will soon determine this on trial. I have no reference to colours—the purple is dyed with green husks (or shucks,) of the purple corn; the brown with the green twigs of the butternut (white walnut,) tree; the white is the natural colour, and by some more experience may be much improved. The three largest skeins are formed, first of a thread of forty filaments of the worm—two of these spun together make 80 filaments, and these again doubled and twisted make 160 filaments to each thread in each of the larger skeins. The small skein contains the same number of threads in the same length; 40 filaments being spun and then doubled, making 80 filaments to a thread. Besides the filaments, or fibres, composing the threads of the small skein, are as much finer than the fibres of the large skeins as about 4 is less than 6, or 2 less than 3; which is about one third finer-and this fineness is owing to peculiar skill in the unwinding of the balls (or co-Respectfully, coons.) B. S. YOUNGS.

to the foregoing letter the history of our common contains a minute seed. red mulberry from Michaux. 'The preceding letter, when illustrated by the specimens of fine silk that since it goes to shew that fine silk may be had from worms nurtured on the leaves of the native mulberry in our country, we may hitherto have come to a that our red mulberry, (morus rubra,) is indigenous to America very different from the black mulberry of Europe, with which the white mulberry as adapted to the culture of the silk worm, has hitherto been compared, and to which it has been preferred. dergoes as much change as does that of Cuba to and it is found in the ship-yards in a smaller pro-

is the descending surface from the common level of a full experiment of silk making has been made; with care the stocks growing naturally on their and that it is not, according to the best authority, estates. sembling ditches, of clear water, running into a the native soil and climate of the red mulberry, It is a common opinion among shipwrights and with the leaves of which Mr. Youngs fed his worms carpenters that the wood of the male mulberry is About Quincy and Tallahassee it is thought will from which such beautiful silk was made. In a more durable and of a better quality than that of word, independently of Mr. Youngs successful ex- the female. I must be pardoned for considering nights are shorter than with us, who are further periment, we consider that it has been too soon this opinion as a prejudice till experiments have taken for granted, that our red mulberry, (which demonstrated its truth. In America, as well as in differs from and is not more than a third as large Europe, unlearned people fall into the same error P. S. I made this season 60 gallons of wine, and 10 gallons of vinegar, from the produce of a single vine which grows in my garden.

A. D. J. Market Hoth and is not indeed that a third as large garden, as the European black mulberry, is unfit for the concerning the mulberry tree as concerning hemporentially but suppose of giving the name of male to the productive and it would not produce such silk, still it will at all of female to the barren plant, so that if a difference events produce silk fine enough for sewing; and is shown to exist, it is the female tree which affords even that is an item worthy of the attention of all the best timber. good housewives.]

RED MULDERRY.

Monœcia tetrandria.-Linn. Urtica.-Juss. MORUS RUBRA. M. foliis cordatis, orbiculatis trilobisre, æqualiter serratis, scabris; spicis femineis cylindricis.

The northern extremity of lake Champlain, and the banks of the river Connecticut, which I have assigned as the limits of the tulip tree, may also be assumed as those of the red mulberry. As a temperate climate is favourable to its increase, it is more multiplied farther south; hut in the Atlantic states it is proportionally less common than many other trees which still do not constitute the mass of the forests: the sweet gum, the tulip tree, the sassafras, the red beech, and the maples, are far more abundant.

In the lower part of the Southern states this tree is much less frequently seen than at a distance from the sea, where the soil and vegetable produc-tions wear a different character. I have found it most abundant in the states of Ohio, Kentucky and Tennessee, and on the banks of the Wabash, the Illinois and the Missouri; which is attributable to the superior fertility of the soil.

In these regions, and in the upper parts of Pennsylvania and Virginia, the red mulberry often exceeds 60 or 70 feet in height, and 2 feet in diameter. Its leaves are large, sometimes entire, and sometimes divided into two or three lobes, rounded cordiform and denticulated, of a dark green colour, white mulberry a thick texture and a rough, uneven surface.

The sexes are usually separate, though sometimes they are found upon the same tree. The male flowers form pendulous, cylindrical aments, about an inch in length; the female blossoms are small and scarcely apparent; the fruit is of a deep rests. red colour, an oblong form and an agreeable, aci-dulous, sugary taste: it is composed by the union of It may not be considered out of place to append a great number of small berries, each of which

The trunk of the red mulberry is covered with a greyish bark, more furrowed than that of the oaks accompanied it, may be considered as important, and the hickories. The perfect wood is of a vellowish hue, approaching to lemon colour. The concentrical circles are distant and distinct; the wood is, nevertheless, fine-grained and compact, different conclusion, from not having considered though lighter than that of the white oak. It possesses strength and solidity, and, when perfectly seasoned, it is almost as durable as the locust, to It is true, that according to Michaux, "the red mulberry has been cultivated for many years in France of vessels, for the knees, the floor-timbers, and, in and England," but it may be not in sufficient abun-preference to every other wood except the locust, dance to have been fairly tried as a sustenance for for trunnels. But it grows more slowly, requires a worms; or it may be, that the texture of its leaf un-richer soil, and is less multiplied than the locust,

The lands bereabouts consist of three sorts: open bacco upon being transported only from that Island portion than any other timber. In South Carolina piny land, like that along the Flint river, level oak and hickory land, and hammock land. This last sort is the best and is very broken, and difficult to clear. The growth upon it is oak, hickory, dogs the impression in our Eastern states, that the red, or the impression in our Eastern states, that the red, or the impression in our Eastern states, that the red, or the impression in our Eastern states, that the red, or the impression in our Eastern states, that the red, or the impression in our Eastern states, that the red, or the impression is our eastern states, that the red, or the impression is our eastern states, that the red, or the impression is our eastern states, that the red, or the impression is our eastern states, that the red, or the impression is our eastern states, that the red, or the impression is our eastern states, that the red, or the impression is our eastern states, that the red, or the impression is our eastern states, that the red, or the impression is our eastern states.

The black mulberry of Europe, which bears a great resemblance to the red mulberry, and whose fruit is three or four times as large, would be a valuable acquisition to the middle, and still more to the western states, where it would flourish in perfection. The fruit of the American species, too. might easily be augmented in size and quantity by careful cultivation; a very sensible improvement is witnessed in trees left standing in cultivated

As the leaves of both these species are thick, rough and hairy while young, they are improper for the pourishment of silk worms, which feed only on the smooth, thin and tender foliage of the white mulberry. On several deserted plantations, fifteen or twenty miles from Savannah, are seen large white mulberries, which were set out a century ago, when attempts were made to introduce the raising of silk worms. Experience quickly detected the error of the calculation: this branch of industry is adapted only to a populous country, where there are hands not required for the cultivation of the earth that may be employed in manufactures so as to afford their products at moderate prices. In the United States this period is still remote; the extensive and scarcely inhabited regions of Upper Louisiana, favoured with a fertile soil and a genial climate, will offer resources to the redundant population of the Atlantic and western states. These regions will probably produce the finest silk, as their soil and climate are peculiarly adapted to the

The red mulberry has been cultivated for many years in France and England, where it succeeds perfectly, and is esteemed for its thick and shady foliage. The excellent properties of its wood should induce the Europeans to propagate it in their fo-[Michaux's North American Sylva.

LADIES' DEPARTMENT.

FLOWERS.

"Put on your brightest, riehest dress, Wear all your gems, blest vales of ours! My fair one comes in her loveliness, She comes to gather flowers."

[To justify the favourable estimate we always form of the character of man or woman, in whom we observe a fondness for the culture of flowers, it which, by many persons, it is esteemed perfectly equal. At Philadelphia, Baltimore, and in the more southern ports, as much of it as can be procured is or that they should have the means of building

"While earth wears a mantle of snow There pinks are as fresh and as gay As the fairest and sweetest that blow On the beautiful bosom of May."

The taste for flowers and the mild and benevo-

decisively shewn about the windows and doors of a of uncertain derivation, cottage, as in the extended lawns and magnificent green houses of a palace. In passing through New hyacinth; according to Linnæus, it is the tulipa tion, while in a state of vegetation, as the plant does England, no circumstance makes upon the mind a gesneriana; sive tulipa flore erecto, foliis ovatolanceo- not appear to have any resemblance in its shape to more favourable impression than the universal dis- latis-i. e. gesnerian tulip; or tulip with an creet that animal play of vines and flowers, and shrubocry, about the flower, and ovate spear shaped leaves. The tulip, humblest dwellings. They are justly regarded, of according to Gesner, is a native of Cappadocia, the ranguagus; according to Linnæus, it is the anethemselves, as a proof of superior intellectual cul- from whence it was introduced into Europe, in the mone coronaria; sive anemone foliis radicalibus ternabefore civilization and moral culture.

Whether used to ornament the dining table, the hair," no ornament is so becoming as natural flow-

On a recent visit to the country we were charmed with the display of flowers, various and brilliant, with which the tables were decorated; and all of us are delighted when we sometimes see the sedate and exemplary city matron mitigating the fatigues of domestic duties by attention to her little nursery of flowers. The existence of such propensity is so invariably associated with pure and amiable domestic affections, that we cannot but desire to contribute the little we can towards a better knowledge of the history and culture of such flowers as are within the reach of all, and by all admired; more particularly the hyacinth, tulip, ranunculus, anenome, novices than they.

We shall begin with extracts intended by the trifid and cut, the stem branching at the hottom.

tracts will be concluded in our next.]

(From Maddock's Florist's Directory.)

The huacinth is of the class and order hexandria monogynia; according to Linuæus, it is the hyacinthus orientalis; sive hyacinthus corollis infundibuliformibus semisexfidis, basi ventricosis; i. c. oriental byacinth; or hyacinth with funnel shaped corols or petals, cleft half way into six parts, and swelled at the base. The oriental hyacinth, according to Linnæus, is a native of Asia and Africa; it is also called oriental by Dioscorides, who wrote during, or soon after, the reign of Vespasian: Caspar Bauhine refers to a work entitled Besler's Hortus Eystettensis, the first part of which was published in 1613, the last in 1640, for three double varieties of the oriental hyacinth; but the first double hyacinth tury, hy Peter Voorhelm,* one of the earliest and most celebrated Dutch florists, and from which all the fine double varieties we now possess, may be

* Vide the Marquis de St. Simon's Treatisc on the Hyacinth, printed at Amsterdam, 1768.

lent feelings that usually accompany it, may be as The word hyacinth is of a very ancient date, and is supposed to be derived from rana, a frog; this

tivation-such habits always follow, but never go year 1559; it is, however, certain, that the present to decompositis. involucro folioso-i. e. crown aneby art, within the last and present century; and it pound, and a leafy involucrum. whether used to ornament the dining table, the by art, within the art of Dutch, French, and mantle, the sideboard, the garden walks, or by the is chiefly to the exertions of Dutch, French, and The anemone, according to Linnæus, is a native ladies (God bless them!) "to bind their floating Flemish florists, that we are indebted for the per- of the south-east of Europe; but we are also infection to which this flower is at present arrived.

about one hundred and fifty years ago, that it is France, in the course of the last century, where he said, property to the amount of many hundred cultivated and very much improved the species, pounds sterling, was given for a single root; this since which it has attained its present degree of extraordinary traffic was, however, soon checked by perfection, by the continued attention of florists to the interference of the legislature, who foresaw the its culture: the English, however, can claim little ruinous consequences which must inevitably follow or no share in the advancement or improvement of such an infatuation to individuals, and deemed it this flower; for all the varieties of double anemoexpedient to enact, that no tulip, or other flower nies we possess in England, have been imported root, should, in future, be sold for any sum exceed-from Holland, France, or Flanders.† The word ing about fifty pounds sterling. The word tulip is anemone is derived from a Greek word, signifying said to be derived from the Turkish word, tulipan, the wind, very applicable to this flower, as its pesignifying a cap, or head-dress.

auricula, carnation, pink, and polyanthus. If, in the dria polygynia; according to Linnaus, it is the ra breezes. extracts from books imported for this purpose, our nunculus asiaticus; sive, ranunculus foliis ternatis fair readers should find little new, it will prove, biternatisque, foliolis trifidis incisis, caule inferne ramonogynia; according to Linnæus, it is the auricula what is altogether probable, that we are greater moso-asiatic ranunculus; or ranunculus with trifo-ursi; sive primula foliis serratis glabris-i. e, bear's liate and twice trifoliate leaves, whose leaflets are ear; or aricula with smooth serrated leaves.

the crusades; but in this, as well as other flowers, who have, from the seed of a flower, imported from

root, and the far greater part now imported do not cost in Holland more than three pence, although the seedling root of many of the same sorts may at first have been worth fifty guineas.

*The perfection in which these flowers are now obtained, is certainly originally owing to foreign cultiva-tors; but so fond are the Dutch of their money, that they forego all English improvements, rather than become purchasers of our new varieties, many of which possess as much merit as any of theirs. A new tulip, to be a favourite in the present day, must possess extraordinary claims upon the attention of the florist: the collection being so very numerous of fine specimens, tends to exclude middling flowers, which forty years known in Holland, was raised from seed, towards ago would have been highly esteemed; but it must be the end of the last, or beginning of the present cen-

† Many erroneous assertions respecting the prices given for tulips in this country, are in existence; but we may confidently state, that it has seldom occurred traced through a course of continued cultivation and gradual improvement.

So great was the value of a capital new double byacinth considered formerly in Holland, that two thousand Dutch florins, amounting to upwards of the relief to the value of flower; the raiser thousand Dutch florins, amounting to upwards of the places on it which mostly amounted to most the raiser than the places on it which mostly amounted to most the raiser than the places on it which mostly amounted to most the raiser than the places on it which mostly amounted to most the raiser than the places on it which mostly amounted to most the raiser than the places on it which mostly amounted to most the raiser than the places on it which mostly amounted to most the raiser than the places on it which mostly amounted to most the raiser than the places of the raiser than the places of the plac 150l. sterling, was actually given for a single root.† he pleases on it, which mostly amounts to more than its value, consequently, they are seldom sold in that unique state; when he has propagated it and ean bring several roots to market, they are more easily sold at one quarter of the price first asked, and the raiser still preserves a stock of it in his own hands. As it gets

derivation probably originated from the known par-The tulip is of the same class and order as the tiality of the ranunculus to a cool and moist situa-

The anemone is of the same class and order as improved varieties of the tulip have been obtained mone; or anemone with radical leaves three-decom-

formed by another author, that M. Bachelier, a The rage for tulips was so prevalent in Holland French gentleman, brought it from America to tals are so soft and flexible, and its seed so light and The ranunculus is of the class and order polyan-downy, that they are agitated by the most trifling

find and cut, the stem branching at the hottom.

The asiatic, or as it is more commonly called, the of the Alps of Switzerland and Styria; it is called cultivation of flowers first, and afterwards give some of his directions for the practical culture of the said and Mauritania; it is said to have been its present improved state, principally to the assistance of the Alps of Switzerland and Styria; it is called sanicula alpina, by Bauhine. Gesner. &c.; it owes those above mentioned. These introduced into Europe from Syria, at the time of duity and attaction of the Alps of Switzerland and Styria; it is called sanicula alpina, by Bauhine. Gesner. &c.; it owes introduced into Europe from Syria, at the time of duity and attaction of the Alps of Switzerland and Styria; it is called sanicula alpina, by Bauhine. Gesner. &c.; it owes introduced into Europe from Syria, at the time of duity and attaction. we find the most considerable improvements made Holland about fifty years since, produced, by conwithin the last fifty years, both on the continent of tinued cultivation, almost all the varieties we now Europe, and in England. The word ranunculus can boast. The Dutch and French have extended their improvement of this flower, little or no further than to produce a numerous variety of yellow, brown, and other shaded sorts, greatly inferior to the beautiful kinds raised in this country.

The words auricula ursi, signify bear's ear; the the plant is so called from a supposed resemblance its leaves have to the ears of that animal.

MISCELLANEOUS.

ON ALUM. To Printers, Dyers, and Leather Stainers. (From the New York Statesman.)

Since the new Tariff has been established, alum has been made in this country. As some lots from each manufactory have been pure and good, whilst other lots, from the same factories, have been impure, and calculated to injure the dyer, I have considered it may be advantageous to the manufacturer, as well as to the dyer, to point out its occasional defects, and the mode of testing it, so as to ascertain its injurious impurity.

Alum is a mordant more generally used than any other, it being necessary to the production of every fine colour excepting scarlet. It is a necessary condition to the production of fine colours that alum should be free from every material which have a tendency to sadden the dye. Iron will do this to a greater degree than any other metallic substance,

* Vide G. Voorhelm's Treatise on the Hyacinth.

t Vide George Voorhelm's Treatise on the Hyacinth, printed at Haerlem, 1773. So extensive is the cultiva-tion of hyacinths become in Holland, that many acres are occupied by individuals for that purpose only, and several hundred thousand roots are annually imported into this country; the prices now, when compared with the same flowers twenty years ago, are very low; this arises from the rapid increase which these roots make: the garden at Walworth, are the best kinds now in extended in the garden at Walworth, but they have not been at present there are fewer imported at two guineas per istence, there being near fifty thousand new seedlings thought worth naming, unless they possessed superior root, than at that time there were at ten guineas per bloomed there annually.

[†] This is far from being the ease now, there being several fine double anemenes raised from seed annual-

ly impregnated with iron to destroy every fine colour in which it may be used, and this has no doubt been the cause why many of our red flannel dyers have so frequently produced a dull brick colour, from the same process, which at other times have obtained them brilliant reds. In dying of dark colours, such as greens, browns, dark drabs, olives, clarets, modenas, &c. &c. the presence of a small portion of iron will not be felt; but in all the finer colours the effect is highly destructive.

According to Vauquelin's analysis, alum should contain 30 52 sulphuric acid, 10 50 allumina, 10 40 potash, and 48 50 water of crystallization. Alum is made either from aluminous shistus containing sufficient sulphur to acidify, by roasting or exposure, the alumina of the shistus, or from sulphuric acid and clay. When the shistus, or clay, contains iron, a portion of it will be found in the alum when crystallized. The manufacturer to get rid of the iron should test the liquor before crystallizing, and precipitate it previous to submitting the alum-liquor to that process. This precautionary measure would effectually prevent the existence of iron in alum, whether it existed previously in the clay, potash, urine or vitriol, used in the manufacture.

Our dyers may discover when alum contains iron, by dissolving a small portion of it, and dropping in a few drops of a solution of pure prussiate of potash, which, when iron is present, will cause a blue precipitate, pale, when slightly impregnated, and denser as the iron is more abundant. As the prussiate of potash of commerce may contain iron, it will be necessary that our dyers should have a pure solution; which they can obtain by applying to Mr. William Partridge, 34 Cliff-street, New York. HOPSON.

(From the Columbian Telescope, S. C.)

Could there be a stronger proof than the following paragraph, of the ample encouragement given to our domestic manufactures? and yet there are those who keep up the cry that they are languishing for the want of prohibiting duties, and talk loudly of southern influence, and southern opposition. Out upon such vile hypocrisy:-

HOME INDUSTRY.

The advancement of this country in manufacturing industry, is, perhaps, unexampled in history. In the year 1805, the total consumption of cotton, by the manufactories of the United States, was a little more than one thousand bales.—Now Rhode Island uses more. In 1812, our woollen factories could not furnish the army with 6,000 blankets. During the last war, capital was taken from commerce and invested in manufactures. This was the first impulse In 1816, a report made to congress shewed that forty millions of dollars capital were invested in cotton manufactures, and twelve millions in woullen. In that year we manufactured 90,000 bales of cotton. In 1816, it was estimated that the whole amount of goods manufactured in the United States, was equal to fifty or sixty millions of dollars. It is now believed that we manufacture, of all kinds, to the amount 250 millions in a year, about 25 millions of which are exported, and the rest consumed in the September, 1826. country. The internal or domestic trade of every country, is, perhaps, more permanent and useful than the foreign. It is not subject to the fluctuations of the commercial world, which frequently break out and spread desolation around .- The English journalists have been consoling themselves that our industry was as prostrate as theirs. The facts which we have stated do not indicate much depres-[Nat. Advocate.

TRADE OF PETERSBURG.

[The connection of the following article, from the sources, present a clear view of the trade of Peters ling.

Petersburg Intelligencer, with the agricultural con-burg in cotton, tobacco, &c. during the year ending 2d Day.—The proprietor's purse, \$300, three mile

EXPORTS OF COTTON

From Petersburg, from the 1st Oct. 1825, to 30th of Sept. 1826-(by account kept at the wharves.)

	copt. 1020	~ 9	00000		 	,
Го	Liverpool .				12,202	bales
	London .				715	
	Greenock				300	
	Havre .				6,569	1
	Bordcaux				35	į'
	Bremen .				549	
	Rotterdam		,		493	
	Amsterdam		,		337	1
						21,200
	New York .				7,347	
	Philadelphia				2,027	
	Baltimore .				1,583	
	Providence				1,584	
	Norfolk and .	Alex	andri	a	854	
	Boston .				327	
	New London	i			164	
	Portland				50	
	Hartford .				10	
						14,446

Quantity of Tobacco, Stems and Staves, exported from the District of Petersburg, from the 1st of October, 1825, to the 30th of September, 1826-(from the Custom-house Books.)

35,646

\$1,300,000

Total number of bales

Value .

For the quarter commencing 1st Oct. and ending 31st December, 1825.

	hhds, l'abac.	Staves Al
To England	3,190	52,603
France	350	4,000
Total	3,540	56,608

For the quarter commencing 1st Jan. and ending 31st March, 1826.

То	England .	1,055	hhds. Stems.	Staves 31 11,275 1,500
	Germany . Holland		682 112	13,635
	Total .	1,483	794	26,410

For the quarter commencing 1st of April and ending 30th June, 1826.

Гο	England .	hu	ts. Tobac.	hiids. Stems.	Staves .11
-0	Holland .		627 -		6,500
	Germany .		178	444	12,000
	Total .		816	444	18,500
	Total .	•	010	444	10,500

hin	di. Poulce	hhds. Stems.	Staves M
To England	1,298		45,900
France			1,100
Hotland	. 318	10	10,600
Germany	283	365	
Total	1,849	\$75	57,600
Grand total	7,658	1,613	159,118

yet many lots of alum in this market are sufficient cerns of a considerable portion of Virginia, and the on the 30th September last. That in relation to great number of subscribers to this journal in that the first mentioned article, embraces only the cotton state, are our reasons for giving place to what might be deemed too local for a national work.]

Exports of Cotton

Exports of Cotton

Exports of Cotton mated value, the average price of each month has been calculated, and the aggregate as above stated, shews the amount actually paid for it here. What the tobacco trade once was, that of cotton now is to Petersburg; and notwithstanding its present consequence, it is still of growing importance. The extent of production in this vicinity has been doubled within two years; and when we consider the favourable position of our place as a depot, with the advantage of large capital, besides other facilities, with our improved navigation, prospects the most encouraging are held out to us. It is true, that during the summer, husiness generally has been dull; but the time approaches for a revival, and the quantities of goods from all quarters of the world daily landing at our wharves, give assurance to our country friends, that come when they may, no disappointment in supplying themselves with either dry goods or groceries in this market, on the best terms, need be apprehended.

SPORTING OLIO.



CANTON RACES

The race of Wednesday, as was anticipated, afforded great pleasure to a very large and respectable concourse of citizens and strangers, who were present to witness the trial of strength between two competitors of acknowledged reputation for speed and bottom.

The first three miles of the first heat was a beautiful specimen of turf-management between the riders, to feel the speed of the adversary-horse, and gave to the anxious spectators a sure presage of the closeness of that struggle for victory which was to mark the fourth round. Southern Eclipse had thus far kept the lead about a length or two, which he maintained until they had ran about a quarter of the fourth mile, when Mark-Time, whose rider had been manœuvreing on his flank, made a dash and locked him, and for the residue of the mile, the heads of the two horses might have been covered with a napkin until within a few feet of the winning stand, when Mark-Time shot ahead about six inches and came in the victor.

The second heat was well contested, but not so closely as the first, and was also won by Mark-

It was gratifying to witness the regularity and good order that was preserved on the course, for which too much praise cannot be awarded to the Chronicle. association.

NEW-MARKET FALL RACES.

The races over this beautiful tract con.menced on Tuesday the 10th inst. The first day's race was a sweepstakes, for three years old colts, two mile heats, entrance \$200. There were four entries for this race, but only three started. This race was wetl contested, and was won at 2 heats, by Dr. Wyche's filly, the last heat by only twelve inches, Pirate having run her to the "eye-lashes." 1st heat, 4 min. 3 1-2 scc.-2d heat, 4 min. 3 sec. The ground was rather heavy, from the previous The above statements, derived from authentic rain of Saturday, which continued the Sunday morn-

heats; four started, to wit: Mr. Johnson's Lafayetle; Mr. Wynn's Restless; Mr. Harrison's Lady Legrange, and Mr. West's Lady Greensville. The ground was very heavy, it having rained incessantly from early in the morning till the hour of starting, and fairly tested the bottom of the nags. Lafayette proved the best, having won the race with apparent ease, at two lreats.

3d Day .- The Jockey Club's purse of \$700, was contended for by Mr. Wynn's Æriel, Mr. Johnson's Betsey Archer, and Mr. Bott's Phillis, and was won at two heats by Mr. Wynn's Æriel. The course

was excessively heavy.

RECIPES.

have been able to procure dry clothes.

Cayenne pepper, black pepper, and ginger, may be esteemed the best of spices. Nutmegs, cloves. mace, cinnamon, and allspice, are generally productive of indigestion and headach to weak persons.

TO CLEAN BOOTS AND SHOES IN WINTER, SO AS TO PREVENT SOILING THE CLOTHES OR THE HOUSE.

When the boots or shoes are covered with dirt, take them off, and with the back of a case-knife, or a piece of wood cut thin at the edges like a station-edition, the artificial arrangement of J. Murray, M. D. in er's paper-knife, scrape the dirt off with the same his Materia Medica, has been adopted, from its conveas clean as possible, which will be very easily donc mience and utility, and as it is supposed to be better while the boots and shoes are wet. Then, with a known than any other; and in order to facilitate an accuracy of the learnest of th small piece of wet sponge or flannel, when a quircment of the knowledge of the subject, the most remaining dirt which the pressure of the knowledge authors have been carefully consulted, and remaining dirt which the pressure of the knife cannot effect. Then place them in a dry room, or nical affinity. at a convenient distance from the fire, for a few hours, and they will take the blacking remarkably Medica of the United States, which will, without any furwell, and bear as fine a polish as they did before wetting. If proper attention is paid to this process will be saved by the extra brushing required when it, in order, if possible, to render it more useful and the dirt is suffered to dry on.

The work alluded to will contain 200 the dirt is suffered to dry on.

TO PREVENT SHOES FROM TAKING IN WATER.

One pint of drying oil, two ounces of yellow wax, two ounces of turpentine, and half an ounce of Burlound pitch, melted carefully over a slow fire. If new boots or sloes are rubbed carefully with this Medica.—2. Modus Operandi of Medicines.—3. Classimixture, either in the sunshine, or at some distance fication of Medicines. from the fire, with a sponge or soft brush, and the operation is repeated as often as they become dry, chapters are included in the first division of general till the leather is fully saturated, they will be imper-stimulants. vious to the wet, and will wear much longer, as well as acquiring a softness and pliability that will pre-tics.—10. Emmenagogues.—11. Diuretics.—12. Diavent the leather from ever shrivelling,

Note.—Shoes or boots prepared as above ought not to be worn till perfectly dry and elastic, otherwise their durability would rather be prevented

than increased.

THIS FARMING.

BALTIMORE, FRIDAY, OCTOBER 20, 1826.

Tobacco.-Inspections in the three State Ware houses for the month of September: 1050 hhds. No. 1,

530 540-2120

A MATERIA MEDICA OF THE U. STATES,

Systematically arranged—By WM. Zollickoffer, M.D. Honorary Member of the Philadelphia Medical Society, and of the Vermont Medical Society; Member of the Medical Faculty of Maryland; tersburg—Canton Races, near Baltimore—New Market Monorary Member of the Baltimore Medical Society, Fall Races-Recipes.

and of the Lexington Medical Society; Corresponding Member of the Medico-Botanical Society of London; Honorary Member of the Medical Society of Maryland, of the Pittsburg Medical Society, and of the Louisville Society for the promotion of Medical knowledge; Corresponding Member of the Medical Society of the District of Columbia, Honorary Member of the Medical Faculty of Berks county; of the Society of Natural Sciences of St. Gall, Switzerland, and of the Medical Society of the State of Delaware, &c. &c.—Second edition, with emendations, &c.

THE utility of a work, in which the indigenous medicinal vegetable productions of the United States, will be exclusively included, and that under a regular systematical form of classification, will, it is presumed, be readily acknowledged by such as feel themselves interested in the improvement of this important branch of the medical literature thereof. Within the limits of the vast extensive territory of our country, an almost TO PREVENT DANGER FROM WET CLOTHES.

Keep if possible in motion, and take care not to go near a fire or into any very warm place, so as to several of the cultivators of botany, been introduced; occasion a sudden heat, till some time after you many of which, have since been ascertained to possess such remediate properties, as justly entitle them to a place in some one of the classes into which the materials of medicine have, with so much propriety, been been arranged by the celebrated Murray, Cullen, Moore, and others. The present edition of this MATERIA MEDICA will include all the indigenous productions of this kind, that have not had a place in a former one. A description of the situation of country in which they generally grow most luxuriantly will be given; their virtues, doses, with the various modes of their administration will also be noticed; as likewise the diseases in which each article arranged according to its respective bota-

the fingers will scarcely be soiled, and much trouble the intention that the author had in view, of enlarging pages, octavo, instead of 180, as was formerly contem-plated. It will, therefore, be perceived that the matter contained therein has been increased in consequence

Division 1-Chap. 4. Treats of Narcotics .- 5. Antispasmodics .- 6. Tonics .- 7. Astringents. The four last

Division 2-Chap. S. Treats of Emetics .- 9. Catharphoretics.—13. Expectorants—14. Sialagogues.—15. Errhines.—16. Epispastics.—17. Escharotics. The chapters included in the second division are such as treat of local stimulants.

Division 3—Chap. 18. Treats of Refrigerents. The articles that are introduced in this division belong to

the chemical remedies.

Division 4—Chap. 19. Treats of Demulcents.—20. Anthelminties. These two last belong to the mechanical remedies. The classes of Antacids, Lithontriptics, Di-lucnes, and Emplients, have been omitted, from the circumstance of there not being materials that properly belong to these classes.

The price of the work will be two dollars. Oct. 20.

CONTENTS OF THIS NUMBER.

Curwen in reply to Columella revived, No. 1 - Sheep. Columella accused of Felo de se-On raising Live Fences from indigenous Thorns—A new and valuable Grass-Large Egg Apples and Large Corn-Soil, cli-mate and productions of Florida-Silk, of excellent

PRICES C	UR	REN	T.		
ARTICLES.	nor	WHOL	ESALE.	RET	'AlL.
	per.	rrem	to	from	to
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Fine,	_	4 37			0 20
Susquehanna, superfi.		4 00		5 50	
GUNPOWDER, Baiti GRAIN, Ind. corn, yellow	25 lb	}		5 50	
white		65	66		
Wheat, Family Flour,	-	1	1 10		
do. Lawler, & Red, new	-	95 95	1 96		
do. Red, Susque		65	67		sales
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Clover Sced, Red	bush	4 50	1 00	5 00	
Ruta Baga Seed, Orchard Grass Seed,	lb. bush	3 00	1 00	3 50	600000
Mangel Wurtzel Seed,	- Dush	1 25		1 50	scarce
Timothy Seed,	1-	4 00		4 50	scarce
Oats,	-	50	1 00	1 07	
Beans, White, HEMP, Russia, clean, .	ton	1 50 215	1 70	1 87	
Do. Country	-	120	130		
HOPS, 1st sort, . 1826	lb.	28			
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LEAD, Pig	lb.	71	8		-
LEATHER, Soal, best,	 -	22	23	32	
MOLASSES, sugar-house	gal.	46 30	50 32	62à	75
Havana, 1st qual NAILS, 8a20d	lb.	61	02	37 <u>3</u> 9	
NAVAL STORES, Tar,	bhl.	1 50	1 621		
Pitch	-	2			
Turpentine, Soft,	mol .	1 75	30	40	
OlL, Whale, common, Spermaceti, winter	gal.	70		88	
PORK, Baltimore Mess,	bhi	11 00	1		
do. Prime,		8 00)		
PLASTER, cargo price,	ton.				-
RICE, fresh,	lb.	1 0		5	
RICE, fresh, SOAP, Battimore White	lb.	12	14		
Brown and yellow	_	5½ 32		10 38	12
WHISKEY ist proof, . PEACH BRANDY, 4th pr	gal.	75		1 25	50
APPLE BRANDY, 1st pr	·	29		50	
SUGARS, Havana White,	c.lb.		13 50	14	15
do. Brown,			10 75 10 00	10	11
Louisiana, Loaf,	lb.	19		20	22
SPICES, Cloves,	-	70		1 00	
Ginger, Ground,	-	161	12	12 25	18
SALT, St. Ubcs,	bush			75	
Liverpool ground	-	46	47	75	
SHOT, Balt. all sizes, .	clb.			3 50	
WINES, Madeira, L. P.	gal.	2 50		3 50 1 50	
do. Sicily, Lisbon,		1 05		1 50	~ 00
Claret,	doz	4	9	5 00	8 00
Port, first quality,	gal.			2 50	
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do. crossed, Common, Country, .		18	22	back	cep's k & free
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Printed every Friday, at	\$5	per an	num, f	or JO	HN S.
SKINNER, Editor, by	JOH	N D. T	or. c	orner	01 54

Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

CURWEN IN REPLY TO COLUMELLA RE-VIVED-No. 2.

Mr. Epiron,

I have endeavoured to shew in No. 1, that Columella has failed in his case against one of my au- of volk is found, what is the conclusion? thorities, on Merinocs, whom he imagines to have never seen "a Merino, nor even a mixed blood of physiologists of Scotland," who he imagines must reasonably be expected; and it is believed to be of intentions of this amusing and spirited writer, I am asserts "some breeds" require smearing on "the hills either has not read, or has misconstrued, the au- "injurious" to "the most valuable race," fitted, it rating prices. thorities adduced by himself. He cites Sir George is said, to every region and clime. M'Kenzie, who "seems (he says,) to admit that a proper composition (smearing,) may be of some use, but adds that it can have very little effect on coarse fleeces," and that for "the finest wool, which HOME MARKETS-AGRICULTURAL PRO is supplied with an oily matter, it is unnecessary"—and he gives Sir Jus. Banks' opinion, that "snearing is required in proportion to the coarseness of the ficeces," but condemns the use of it for fine willed

Can M' Kenzie and Banks be brought agains Mr. Powel, accused of "error" when asserting-

"The sheep which produce the finest fleeces are not necessarily the best to form a breeding flock If their constitutions be not good-if their forms be bad, the secretion of yolk, which is essential for the support of the fleece, must be small; the offsping, consequently, will be a degenerate race. This in Gentlemen, selecting Merinoes, regard should be given to their ton of little value." (Am Farmer, vol 7, p. 316.)

From Sir Jos Banks' saving that smearing s re- adapted to that end. quired in proportion to the coarseness of the fleccs sheep, will Columella infer, that therefore fine wool-

smearing to keep the sheep warm.
Wherein then does the Preside of the Royal Society, Columella's own authorit, differ from the

Society, Columella's own authorit, therefore the most superinder which can be relied upon for inwoul stapler whom he is brough to confound?
Will he argue, because S. George M. Kenzie says smearing "can have ver little effect on coarse fleeces," and that "for the aest wool, which is sup pled with an oily matter it is unnecessary," that therefore the finest fleece have not only matter, i. e.

The population of this country is essentially agricultural productions, and the country societies, it is believed, may do much.

A ready demand for agricultural productions, a renumerating prices, it is presumed, is the only ade quate inducement which can be relied upon for inmunity. YOLK?

M.Kenzic cited Va quelin to confute him. lumella cites M·Kerple and confutes himself

Page 88-"Treatse on the Diseases and Manage

ment of Sheep," or George M'Kenzie observes-"Although every respect is due to so good a che mist as M. Vauquelia, he could not have formed his opinion of the effect of yolk on the skin of used with success in cleansing the skit, and curing cutaneous disorders, analogy would lead us to expect that yolk, being of the same naure, would be beneficial instead of being injurious. And it is observed that fine woolled sheep are less subject to diseases of the skin, than those which carry coarse fleeces; the former being well suppled with yolk and

oil, and the latter having drier woolnd little yolk."

Here M Kenzie tells us fine roolled sheep ARE

No. 32. -vol. 8.

others"- * * "; and, page 211, he asserts, that rectly to those concerned in its cultivation. rance of yolk is found." * * *.
If Merino sheep have the finest fleeces, and Me-

rino sheep are the only race, in which an exuberance be equal, or nearly so, to those employed in pro-

Columella, would ridicule the "profound chemico-

CURWEN.

DUCTIONS AND RAW MATERIALS.

From the Memoirs of the Board of Agriculture of the State of New York.)

A Memoir on the expediency and practicability of improving or creating Home-Markets for the sale of Agricultural Productions and Raw Materials, by

Read before the Board of Agriculture of the State of New York, March 8, 1825.

The Board of Agriculture and agricultural socie- ly extended. forms, even in those parts of the country, when the ties were instituted for the purpose of promoting demand for the carcass is so small, as to make mut-the landed, or farming interest, by such means and

In general, the measures which have been adopt--from his condenning the use of it for fine wolled ed, have been those of eliciting and disseminating and policy of different countries may alter, requirknowledge, as to the best modes of cultivating the ing correspondent changes in all the countries conled sheep are deficient in grease or yolk. for which land; the best breed of domestic animals; the most cerned in mutually exchanging their labours and smearing is the substitute, and which his own high approved implements: the most useful seeds, plants products with each other; particular arts, found to authority tells us need not to fine woolled sheer be alid grasses; of encouraging experiments in agri- be of the first necessity, and difficult to learn or incultural processes; the introduction and growth of troduce at once, to the required extent, may have supplied?

He would not contend that Sir Joseph Baks desuperior animals, and practice of the best modes of been neglected in a country, while articles, the procultivation; with encouragements to manufactures, duct of those arts, were easily obtained in exchange sired to make the wool coarser, nor would be assert cultivation; with encouragements to manufactures, duct of those arts, were easily obtained in exchange that as a "profound chemico-physiologit" he ar- by the cultivators of the land, or in private families: for other products of the country. The neglect of raigned "the economy of nature"; proposing all tending, however, to encourage the growth of those arts, and the frequency of those changes and

powerful inducement which could have been held severely, whose products are least diversified, and

suring a careful cultivation of the land, or for increascertain, that no bounties or encouragements, which commercial communications are allowed it is in the power of the state, or of societies to pay directly to the agriculturist, can induce him to couraged, and some of them forbidden by the momake much improvement in his modes of cultiva ther country under severe penalties; while labour tion, or to raise any thing beyond the immediate was invited, and almost exclusively confined to the sheep, but from analogy. As common soap is often demands of his family; while any surplus which he land, and to a limited commerce. may raise, he youd that aurount, shall be worth no- country, in the mean time, compelling us to take thing; or where it cannot be sold, or exchanged, her manufactured articles, in exchange for the proupon terms of comparative equality with the pro-ducts of the land, under regulations, fixed by herfits of the capital and labour employed in the pro-self, in relation to that exchange. duction of all the other articles required for his Soon after the Revolution, the long belligerent

p. 210-"An abundance of yolk was found in Merino come by any encouragements and bounties, which fleeces, and Merino fleeces were finer than any it is in the power of the state or societies to pay di-"Merino sheep are the only race in which an exube- ficient demand must be provided for the produce of the land, which shall leave to the capitals and persons employed upon it, compensations, which shall ducing the other necessaries of life, before the desired improvements in the cultivation of land can that race." With the utmost respect for the good think, that "nature neglects her duty," as Luccock much more importance to the farming interests of this country, that this demand should be provided. led to apprehend, that he has not only misconceived of Scotland"-whilst he would make her absurd in than to encourage the growth of larger quantities the authors to whom I had referred, but that he giving an exuberance of that which he contends is of those articles, which cannot be soid at remute-

It is held that where particular branches of business are overdone, or do not leave to the capitals and persons employed in them, compensations equal to that of other branches, that the unproductive will be abandoned to the necessary extent, and others taken up, until the compensations to all are

equalized.

Although this proposition, as between persons and employments within the same government, or country, may to a certain extent, be true, still it is not so in every case, and rarely, if ever so, when the articles upon which labour and capital are exthe introduction or growth of artizans and manu-facturers.—By George Tiebers, of Renssclaer pended, are made in different and distant countries, and exchanged through the medium of external commerce. Articles, upon which but little capital or labour have been expended in one country, are of great price in another, where a knowledge of the art of making them is not understood, or sufficient-

The rude tribes give large quantities of valuable articles, or peltries, for other articles of trifling measures, as they respectively might deem best value, in countries where the art of making them is understood. The channels of intercourse may, moreover, be interrupted by wars; or the wants an illimitable quantity of agricultural productions. interruptions, deranges the pursuits and labours of I have long been of the opinion, that the most the different countries, always affecting those most

quate inducement which can be relied upon, for in- munity; and we have been led into these pursuits, by causes common to most newly settled countries, ing the quantity of its produce. It appears almost between whom, and older manufacturing countries,

During our colonial state, manufactures were dis-

support.

That capital and labour applied to land, has become less productive, than a like quantity of capital these long wars, the landed produce of these states are larger than a like quantity of capital these long wars, the landed produce of these states are larger than a like quantity of capital these long wars, the landed produce of these states are larger than a like quantity of capital than a like quanti Here M Kenzie tells us fine woolled sheep are and labour applied to almost any other object, is sold readily for cash, or was exchanged at fair well supplied with yolk—yet Coluella quotes him, presumed to be notorious, and conceded. That prices, for the manufactured articles of foreign this, more than any thing else, has paralized and countries, which gave to our population a further sheep are not well supplied with olk. But your correspondent has tol us himself, vol. 8, lieved, and which cannot be removed and over-inufactures. These causes, together with the abun-

agricultural productions, and to the carrying and ney or means there may be in the country, apply them may be converted by the half learned artiexchanging those productions for an unlimited va- that money or means at any required sacrifice, as it zans of our country, while they have the option of riety of foreign manufactures. A very great ma- relates to the other classes, to the support of the taking these, or the finer and handsomer fabrics of jority of us have been bred to no other calling, and artizans, productions, and manufactures of other foreign countries. But was the eight millions of still remain ignorant of any other. We have con-countries. As a general rule, the wealth, comfort dollars, now annually paid to foreigners by this tinued in this practice, until the habit has become and strength of a community, is augmented or descently for woollen goods, to be distributed among settled and fixed, and from which it is found diffipressed, in proportion as it possesses a knowledge our own people; to the farmer in part for the wool, enlt suddenly to depart. The opinion was extenlate before it would become necessary to depart from it. It was presumed, that the wants and habits of foreign countries, had become as firmly and by that community. radically fixed to the practice of exchanging their manufactured articles, for our bread stuffs and pro- sive territories of fertile land; but they were ignovisions, as our own. That the foreign countries rant of the arts; their numbers and comforts were is olvious. That branch of business, compared with whom we exchanged these commodities, could small, and their power insignificant. The Tartar, with every other, is overdone. At least eighty per not well subsist without our agricultural productor eattle-raising regions, are more numerous; they cent of our population, is fixed, and from habits tions. That the policy and interests of those coun- have a surplus of cattle and horses, but nothing and ducation, confined to that profession. A due tries, would insure a continuance of this trade, as else; they feed on their flesh and are clothed with proportion, compared with other and better orgathereby they would retain their artizans at home, and their skins, and exchange a small proportion for nizel countries, in this respect, would be much less, find a market for much of their wool, iron, and other implements of war. The people of this country and that of artizans much greater. The proportion products, improved to the highest practicable value, have advanced one step beyond them. We have a in each should be nearly equal; and there is no by the labour of these artizans. Experience has, surplus of cattle, bread-stuffs, provisions, and raw other way in which the board of agriculture, or however, realized to us exactly the reverse of our materials, with a few rude artizans: and here we agricultural societies, can as well promote the farmexpectations.

It may have been a laudable desire to be independent of all other nations, which induced those fuse to receive them, under any of the disadvanta- of dollars. geous terms imposed by those from whom we obtain them.

It is found that foreign countries subsist very well of its products, land has fallen in price, its improvehold, or cultivate land, have become disheartened, ing the surplus, is neglected and goes to decay.

We have the land, and understand the art of

It would be difficult to propose any measure like-But it may be encouraged to hope for relief, in proportion as the labour and capital of the community shall become more equally distributed among the several branches of business, required in producing and manufacturing the articles of necessity, comfort and luxury, which at this time are required, and consumed in this country; and in proportion as the articles which may conveniently be grown in our elimate, or manufactured from our raw materials, shall be grown, or made at home, and not imported from abroad.

little embarrassment is ever found; but in those, and for the purpose, moreover, of converting our manner, not only n every substantial particular, where, from whatever cause, only a part, or small wool, hemp, flax, cotton, iron and other raw mate- but as neat and fastonable as the article imported,

the agricultural and commercial character which it and those of the coarser or more common, leaving have heretofore exchanged those raw materials now sustains; and has deeply fixed upon it the the wealthy and more fashionable part of the com- with foreigners. Our rent-receiving, and interestpractice of exchanging the raw produce of the munity, to be supplied by foreign importations, receiving gentlemen, our officers of government, practice of exchanging the raw produce of the limits, to be supplied by professional and mercantile gentlemen, will not relate the causes already noticed. These communities evice our products in the shape of raw materials, at Our education and all our habits and efforts have are, moreover, comparatively poor; because the adequate prices, for their demands against us, nor in been devoted almost exclusively to the increase of rich and fashionable, who command whatever mothershape of coarse fabries, into which some few of of all the arts and sciences, required in producing and for the bread-stuffs and provisions, consumsively but vainly entertained, that it would be very every article in its consumption, to which its clied by the artizans while converting the wool into late before it would become necessary to depart mate is adapted, and in proportion to the industry articles now imported, it cannot be doubted but that with which those arts and sciences are prosecuted great relief would be afforded thereby to the farm-

The rude tribes of this country possessed extensper to all the manufactured articles now imported.

The cause of this great depression of agriculture stop, unless we take in the productions of the sea ing nterest, as by facilitating the introduction, rise, and of commerce. But we still remain dependent and increase of artizans, within this state, until upon foreigners for about all the finer fabrics. Of their numbers shall be adequate to the demands of manufacturing countries, on their part to decline woollen goods to the amount of \$8,000,000—of cottaking from us the only articles which we had to ton, to nearly 6,000,000 dollars—of silk, more than tura productions raised in it. To effect this object, give them in exchange for their manufactures. \$5,000,000—of cutlery, hardware, iron, steel, &c., it will require not only the most vigorous efforts of While on our part, we remain so radically fixed to nearly \$5,000,000; and a vast amount of other mathis pourd, of the county societies, and of all good the use of foreign commodities, that we cannot re- nufactured articles, exceeding altogether \$1,000,000 citizens, but the aid and protection of government.

territory, the fertility of its soil, and number of its has been in the practice of receiving its supplies people be whatever it may, if its labour and capital footiforeign countries, let its population be whatwithout any, or but a small proportion of our agricultural productions, and the most of them are refused admittance, under severe penaltics; (See note A.) ed admittance, under severe penalucs; (See note A.) don. For atmosgn to they particular articles, which, at particular come acquinted with, and instructed in the difwhite our taste and incimations for their manufac-tures, are not at all abated, nor their consumption li-mited in this country, by any other rule, than our po-verty and want of the means for paying for them. We verty and want of the means for paying for them. We could give them agricultural produce in abundance; made on any terms. Its surplus articles then beautisince it is refused to be taken in exchange, it has become of very little value. With the value has become of very little value. With the value intended. Mean time, the subject upon which her intended. Mean time, the subject upon which her ment is neglected, and the numerous class who capital and labour had been expended in produc-

with different prospects, when money was valued products adapted to our children, such different prospects, when money was valued products adapted to our children, such different prospects, when money was valued products adapted to our children, such different prospects, when money was valued products adapted to our children, such different prospects, when money was valued products adapted to our children, such different prospects, when money was valued products adapted to our children, such different prospects, when money was valued products adapted to our children, such different prospects, when money was valued products adapted to our children, such different prospects, when money was valued products adapted to our children us; they cannot be overcome by any king short of direct products and land, and landed produce much higher. Such different products adapted to our children us; they cannot be overcome by any king short of direct products and landed produce much higher. Such different products adapted to our children us; they cannot be overcome by any king short of direct products and landed products adapted to our children us; they cannot be overcome by any king short of direct products and landed products adapted to our children us; they cannot be overcome by any king short of direct products and landed products are considered to our children us and landed products and landed products and landed products and landed products are children to our children us and landed products are children to our children ly to afford instant relief to the agricultural class. in their countries on any conditions. We have no that protection. control over them; they consult their own interests. If we had, however, the artizans for converting only one of the raw materials which we raise, and which we might readily raise to any required exwhich we might readily raise to any required extent, (I mean the article of wool,) into the manufactured articles of that kind, now imported, it dentally dependent. The tools, implements and machines of the branch intended to be put into operations.

space between the landed interest on the one hand, different brancles. If the manufacturers of these and mercantile and monied on the other, which in tools are not aready located within the country, all well ordered communities is filled with artizans who for want of employment, probably are not, the and manufacturers, is left vacant, or nearly so, in tools, or the wormen to make them, are to be imly distributed among all the trades and professions, this; and we, the landed interest, feel at this time ported from abrod. But should these difficulties to produce the necessaries, comforts, and luxuries, must sensibly the want of that class. We want it be surmounted, to articles manufactured in the which that community requires for its support, very as the consumers of our bread-stuffs and provisions, principal branch, just be made in as workmanlike

dance and cheapness of land, gave to this country proportion of those trades and professions are found, rials, into the manufactured articles for which we ing or landed interest. The same may be said in re-

> For it is most certain, that manufactures cannot be A nation can never be rich, let the extent of its usefuly and readily commenced in a country which

to be encountered at he commencement of any newly set up branch of Lanufacturing business, in a country where but very 'w of the mechanic arts monied engagements, made in other times, and making bread-stuffs, provisions, and other landed have arrived at maturity, as much greater than with different prospects, when money was valued products adapted to our climate; but our principal meets the eye of a casual beserver, and which

It is not only a knowledge of the tractical operation, and application of the particular parts of a trade, about to be set up, which is to be learned. but the aid of other and distinct brancles is to be would afford great relief to the country.

But it is unfortunately our case, that the large ration, are to le made by another, or several other or the foreign article will have the preference in

It can hardly be expected that new beginners will rival, at the commencement, old establishments in all these particulars But should these difficulties be surmounted, there still remains further and 10,500,000; with probably about a like increase in and being each appointed to a tree, sometimes two more important embarrassments to be overcome. The old country manufacturers, English in particular, who have been in the practice of supplying, say woollen goods, to this country, have their workshops and machinery erected there for that purpose. The owners of these works, and the work- cles, apportioned to the population, has, in the cutmen attached to them, depend for their daily bread ton growing states, advanced; but with the breadupon sales in this country. The wool-grower, the stuff, provision and tobacco growing states, they the baskets are filled, their contents are carried, merchant, and the shipper, all depend upon sales have diminished from \$8.20 cents to each person, spread out, and after lying in the sun for an hour or to be made here. The usual quantities, to supply which it was, or thereabouts, in 1796, to \$2.71 cents two, till thoroughly dry, they are then put by handthe ordinary demand, are therefore made. If or per head, in 1823. By excluding the tobacco grow-fuls into dry barrels, with straw at the head and hotders for them are diminished, the articles accumuling states, the proportion would probably be reduction—after they are closed up, they are then fit for late in the hands of the manufacturer, and in the ed to less than \$2 per head, even including domesabsence of orders, they are sent out by the manu- tic manufactures, of which, coarse cotton cloths are so much esteemed, that I make their fruit be facturers themselves, in succeeding years. These must be considerable, though the exact proportion picked singly, and before put into a barrel are each goods are met in our market by the like articles of these is not known. made in this country. The market is overstocked. The following table One, or a part of each of the quantities must be withdrawn, or both are to be sold at a sacrifice. Traders can never voluntarily agree to withdraw. Their necessities may compel them to sell. The older establishments, with greater experience and larger capitals, hold on to their accustomed markets. Not so with our new beginners. All their calculations have been made upon obtaining the usual market price of the article. If they cannot obtain that, they are ruined. Their small establishments are stopped, and broken down; and the adventurers become the victims of their patriotism or their credulity.

Note A .- In the export of domestic articles, upon which the landed interest mainly depends, it may be useful to compare latter, with former years. As far back as the year 1790, there was exported-

Of flour in that year, Of wheat, 1.124.456 bushels, equal

to bbls, of flour,

bhs. 949,514

In 1823, there was exported-Of flour, bbls. 756 446 Of wheat, 4272 bushels, equal to 855-751,101

Excess of 1790, over 1823,

Indian corn exported in 1790 . bush. 2,102,137 The same in 1823, 749,034

Excess of 1790, over 1823, There is also about a proportionate decline in distinct accounts of each were commenced, and inferiority. have been continued.

In 1796, the aggregate export of do-

mestic articles, was \$40,764,097 Of which the proportion of cotton was 6,103,729 lbs. and of value, about 1,500,000

Leaving for bread stuffs, provisions, tobacco, and all other articles, 39,264,097 1828, the exports of domestic arti-

cles, were 47.155.408 Of which, there was of cutton 20,445,520

Leaving of bread-stuffs, provisions, tobacco, and all other articles, but .

And a diminution, falling wholly on the

The following table will shew the decline in the quantity and value of flour, exported from 1817 to lowed to lie in heaps, or be carried in bags. 1823, both years inclusive:

	bbls. flour.		value.
In 1817, .	. 1,479,198		\$17,751,376
1818, .	. 1,157,697		11,576,917
1819, .	. 750,660		6,005,280
1820, .	. 1,177,036		5,296,664
1821, .	. 1,056,119		4,298,043
1822, .	. 827,265		5,103,280
1823, .	. 756,246		5,057,195
	(To be contin	ued.)	

ON GATHERING FRUIT.

(Extract from the Novascotian.)

In the part of the Lothians where I came from. the best farmers are so careful of those turnips which they wish to keep over the winter by preserving in bbls. 724023 heaps, that in pulling them, they will not suffer J. S. SKINNER, Esq., them, for the sake of expediting the work by gather-224,891 ing in piles, to be thrown about in the field; for it is tion of silk, I some time since promised to present found invariably, that if a turnip be bruised in the you the result of my observations, for publication in pulling, it will not only rot itself in the heap, but in the American Farmer. You are aware, that all my that no potato which has been cut or bruised, by the perimental observations during the last summer. fork or hoe in digging will be put into the cart, as they are found to rot almost immediately, and to spoil ten times over their value. Now if such care worm is fed. From reflection and observation, 102,137 is necessary to keep potatoes and turnips uninjured, however. I am induced to believe, that wherever and is found by judicious farmers to be profitable, the apple tree will grow and thrive, the white mul-1,353,103 demand even more care.

remained nearly stationary; but cotton has advanc-adopted in our province, it is quite impossible to do tity as is required for present use. This, I believe, ed from a mere tribe, to more than 20,000,000. In this, for fine fruit, perfectly ripe and tull of juices, is the mode of cultivating the mulberry in China. 1720, the population was less than 4,000,000; in if shook from the branch to the ground, would be There, a field of the mulberry presents more the 1720, the population was less than 4,000,000; in a substitution the blanch of the ground, would be 1823, it was probably 10,500,000. The exports of converted into a lump of slush; and hence fruit in appearance of a field of cotton than of any thing domestic articles, were not kept separately from this province is usually secured before it has come else. By this process the cultivator is enabled to exports of foceign articles, until 1796. In that year, to maturity. This is another reason for its general gather the leaves with more ease than from the

26,709,988 of his:-

"The mode in which I gather my fruit is as solgrain and tobacco growing states, of \$12,554,000 lows:- After the apples on the tree have become perfectly ripe and mellow, on a clear sunshine day, In the mean time, from 1796 to 1823 the popula- I turn out all my children and servants. Every one tion had increased, from about 4,750,000, to, say of them is provided with a small basket and ladder, the quantity of land brought into cultivation; and or three to one, they begin to fill their basket by some, but no very considerable advance towards hand picking; and if any apple should chance to manufactures; and no material alteration in the pur-slip through their fingers and fall to the ground, this suits of the people. By extending the calculations, is put into a different place for immediate use, as I it will be found, that the exports of domestic arti- have always found that a bruised apple, if mixed with a heap of perfect ones, will injure the sale of the whole; sheets are laid upon the ground, and as market. I have some trees in my orchard which surrounded by a small slip of paper. Nothing but cider apples should ever be shook from the tree, al-

> In the directions which are given above there is [think too much particularity, but if they were in part followed by our farmers it would not only be to their own credit; but would really be for their interest. Good apples are now selling here at 2s to 3s a bushel, just about the value of potatoes, whereas, if they were gathered so as to keep during the winter and packed in barrels they would more readi-

ly command three times the price.

Your very obedient servant,

Pictou, Sept. 26.

HORTICULTURE.

CULTIVATION OF SILK.

October 20, 1826.

Sir,-On the interesting subject of the cultivafeet its neighbours. And in putting potatoes into knowledge of the subject is derived from reading their cellars or into clay heaps, it is a general rule, the publications of others, and from a course of ex-

surely apples, which are of a more tender nature, berry will be "at home." I also think, that the seed, or small cuttings, ought to be planted, or set The only way to get superiour fruit is to let the out, in the spring, in rows, two or three feet apart; nearly every other articles of produce, excepting in apples or pears ripen and mellow upon the tree.— and as soon as the leaves are pretty well grown, the articles of cotto and tobacco. The latter has Now by this plan of gathering which is usually they may be gathered for the worms in such quanferiority.

To remedy these evils, a slight reference to the or vegetable will be found to be a good substitute practice of other countries and a little more care for the mulberry; and this is the less to be regretted, among ourselves is all that is required. In Colu-when we consider that no other vegetable uffers melia, Varro and all the old Roman agricultural greater facilities for its cultivation in any of our writers, I have been told, there are accurate directivations climates. To spend time and money in tions to be found for the management of the orchard, endeavours to find a substitute for it, is like trying and in particular for the gathering of the fruit. In to find a substitute for Irish potatoes, the attempts England and in the States I know they are just as at which have often excited my risibles. Whether particular in this as they are in the choice of their the leaves are taken from the tree or the small grafts, or in cleaning and pruning their trees in the bush, they should be gathered in such quantities spring. A farmer, with whom I am acquainted, only as will suffice for the present use, as the worm once told me that while in the States be received does not like wilted leaves. They should, also, be the following practical directions from an old friend perfectly clean; no sand, dust, or matter of other insects, should be left on them. They should, furbeing laid before the worms.

be dry, airy, and not too light; and the rules of the the eggs, and for several days afterwards. theatre must be enforced, viz. smoking segars (or tobacco,) cannot be permitted. (See sequel) In performed, and what I know of it is gathered from which it was taken into the stomach. The excrement the course of four weeks the worms will moult, or publications already before the public. This pro- of the healthy worms, I found to consist much less of shed their skin, three or four times, and for twenty- cess is performed, generally, in the following man- the viscous matter, and scarcely any of the leaf in four hours previous to each of which moultings, ner: clear the cocoons of the tow, or loose, coarse a perfect state-that consisting of a fine branny they will appear stupid and sickly When the dry leaves have accumulated so as to produce heat, water. Stir them round a little with a small wisp from the well digested leaf. During the 3d of Authey, with the excrement of the worms, may be re- of switches till an end of silk attaches itself to the gust the worm eat very little, and discharged its exmoved, by gently raising the upper leaves and re- switch, when it is to be secured, and the process crement with great difficulty in very small quantimoving the under ones. Great care will be neces- continued till ends enough are obtained to form a ties, until 2 P. M., when it discharged, after great moving the under ones. Great care will be necessary to prevent ants, birds, &c. from destroying the thread of the size required. All the ends are then labour, a double portion. On examining this it was worms. In from 30 to 36 days the worms will cease eating, appear uneasy, their skins become a little transparent, and by examining closely, scattering fibres of silk will be found on the leaves around them. When these observations are made, the worm that is the subject of them, is beginning to spin, and ought to be removed, by means of the leaf on which it is, to the dry twigs or enared of the size required. All the ends are then labour, a double portion. On examining this it was to be put together, passed through rings suspended from the ceiling and carried to the farthest part of the found to partake of the same properties of that the room to a common reel, by which it is slowly wound off in the usual way of winding yarn. The reasons for carrying the silk through the rings worms, exposed when they discharge. I supposed the rectum considerably protruded, which was of a darker yellow than those of the leaf by worms, exposed when they discharge. I supposed the rectum considerably protruded, which was of a darker yellow to be inflammation of the rectum considerably protruded, which is dark yellow to be inflammation of the rectum considerably protruded worms, exposed when they discharge. I supposed the leaf on which it is, to the dry twigs or enared solved by the hot water, and if the silk be wet it

The twigs should be dry, (well seasoned,) and preserve the size of the thread. abundant in small, delicate branches. I know of none better calculated for this purpose than those generally used for brooms for sweeping streets. A dozen or more cocoons will contain about an in the course of the night. Before this worm died, The worm requires a space among the branches equal number of each sex. I have observed, that two others were taken sek, and ultimately, four large enough to contain a small hen's egg, in which the directions in some books to select sharp-pointed others took the disease, excibiting the same sympto form its cocoon. In four days after commence- cocoons for males, and the more round ones for fe- toms and in every respect bllowing the course of ment, the cocoon may be removed from the branch- males, are fallacious. An important error seems the one whose case is above wlated, so that seven es; and in four days more may be reeled, if intend generally to obtain credence. I refer to the gene- out of the eight died. The eighth was affected ed to be recled; or baked, if intended to be kept or ral practice, the result of erroneous supposition, of with the disease, but recovered and formed its cosold in its present state If the silk is not intended obtaining but one generation of worms a year. The coon. to be immediately recled, the cocoons must be put generations may be multiplied as long as the weatinto an oven, heated sufficiently to kill the insects, ther is warm enough to hatch the eggs, and multiplied as long as the weatinto an oven, heated sufficiently to kill the insects, ther is warm enough to hatch the eggs, and multiplied as long as the weatinto an oven, heated sufficiently to kill the insects, there is warm enough to hatch the eggs, and multiplied as long as the weatinto an oven, heated sufficiently to kill the insects, there is warm enough to hatch the eggs, and multiplied as long as the weatinto an oven, heated sufficiently to kill the insects, there is warm enough to hatch the eggs, and multiplied as long as the weatinto an oven, heated sufficiently to kill the insects, there is warm enough to hatch the eggs, and multiplied as long as the weatinto an oven, heated sufficiently to kill the insects, there is warm enough to hatch the eggs, and multiplied as long as the weatinto an oven, heated sufficiently to kill the insects, there is warm enough to hatch the eggs, and multiplied as long as the weatint of the weatened and inflamed the rectum, and termination of the sufficient of the suf

they should not be gathered in the morning while cocons to be saved for that purpose. Those for the dew is on them; or after a rain, till they are reproduction may be laid upon white paper, on a dry. If they are wanted at these times, they must shelf in a common room. In about sixteen days, to after a rain, till they are wanted at these times, they must shelf in a common room. In about sixteen days, to after a rain, till they are wanted at these times, they must shelf in a common room. In about of the restriction of silk confining their operations to one generations of the restriction of the res be gathered and well dried with a napkin before the insect will leave the cocoon in the shape of a ration of worms, and crop of silk, a year, they may We will now suppose that the mulberry leaves are forthcoming, and the little worms are only waited for. When the thermometer ranges at or above yellow colour, but become of a pale blue, and obtained in one by that now suggested. Another 75°, take the eggs, which have been kept from frost, of a light slate colour, after a few hours, and of the heat and moisture during the winter, and expose them to the air in a dry room; any common room to the paper on which they are deposited, and eggs to enable you to bring out for hatching in will answer the purpose. In eight or ten days the which, after the moth has ceased laying, may be April, as many as you will be able to attend to: tenderest nulberry leaves must be laid over them, dry cellar, in hot weather, and in a place free which they will soon begin to eat. They will live from frost and moisture in cold weather. I have a day or two without eating, (36 hours by my ex- observed, that eggs which have not been fecundat- for this plan, and therefore the multiplication of periments;) but they ought to be fed immediately ed by the male, remain yellow—at least there are generations is preferable. after leaving the egg. Almost any number of them some of the eggs that remain yellow when the Disease among silk we may be kept on a common table for the first two others change colour, and these I have never known importance and ought to receive the attention of weeks, at the expiration of which time they will to produce worms. An acquaintance obtained a have grown so as to require more room. Fresh leaves ought to be given them four times a day; seet laid eggs, but they never produced worms, and simply lay the fresh leaves over the wilted ones to remained yellow. The moth eats nothing after have death to rectain the restrict and deght worms in my private room, kept there for convenient and frequent observation. They were healthy, about half grown, and eat heartily when they were placed there. On the 2d which the worms are attached, without removing leaving the cocoon, and generally dies in the course the worms, who will very soon get on the top of of three or four days after the eggs are laid. I had the fresh ones and begin to eat. The room should one, however, that lived to see its offspring leave hard. On examining the excrement with a micro-

of the leaf on which it is, to the dry twigs prepared solved by the hot water, and if the silk be wet it finued. In the evening of the 5th, the protrusion for the purpose. He will, in the course of a few will make the fibres adhere; to allow the silk to and inflammation continuing, and the worm evihours, spin the tow, or coarse silk, in the inside of dry, therefore, it must be exposed to the air before dently sinking very fast, examined it closely, and which he will, in a few hours more, begin the co- it is reeled. As fibres break, and the thread be-noted in my menorandum, that mortification must comes too small, other ends must be obtained to take place in the course of the next day, unless a

General observations.

tents were deposited therein.

A few of the eocoms ought always to be selected for reproduction, and as every pair of insects may be calculated upon for producing three hundred tained, which last eggs, if the weather be warm constitutions, than those of very tender insects, who

thermore, be perfectly free from water; therefore, worms, it will be easy to arrive at the number of enough, (80° upon an average,) and mulberry moth, or greyish white butterfly; and within forty extend them to two or three. This fact is of im-

Disease among silk worms, is another subject of scope, found it to consist of viscous matter and undichange took place or the better. The prediction proved correct, for, or the 6th, the rectum, so much as was exposed, turnet black, and the worm died A dozen or more ecocons will contain about an in the course of the night Before this worm died,

moth will make its way out of the cocoon and spoil ration of worms, and one crop of silk a year, there-orinated in mortification and death. This disease the silk by cutting or rotting it, to effect a passage. forc, two, always, and often three, of each, may be is common among silk worms, for almost all the When the ecocons are removed from the twigs, obtained. I obtained two worms on the 7th June, writers notice it in words like these: "Their tails they ought to be kept separate; i. e. those of each 1826. They formed their eocoons, came out on turn black"-"a black spot was observed on the day by themselves; else, if those of several days the 24th June, and deposited their eggs. On the end of their tails," &c. For the cause of this disease are mingled together, the moths of some will have third of July the eggs were hatched, and I had oe- we must look to further experience, and to more begun to make their way out and spoiled the silk, tween two and three hundred young worms. These able investigators. But I have great reason to be-while others will not have finished spinning, when worms grew and spun their silk as well as the first lieve that the disease in my worms was occasioned the cocoons are recled or baked. For this purpose, generation, and I have now some of their eggs for by tobacco smoke. Indulging myself in the habit of small baskets are convenient depositories, which use next spring. From these facts, it will appear, smoking, the air in my room was continually immay be labelled with the date at which their contact that if we obtain eggs in April, we may hatch them, pregnated with tobacco smoke, and the insects are not used to smoking. given in a former part of this paper, not to permit the blossoms of these bursters, when properly masmoking in the room where silk worms are kept, is naged, and in full bloom, were not less than four or founded upon the data above furnished, and, I think, five inches in diameter, and the centre of each was ought to be attended to. Wet and damp weather well filled up with the petals of the interior pod, so also affects silk worms, rendering them stupid and as to make a very uniform and noble apprarance; inactive; but they will recover from the effects of but it required much care and skill to cause them to this when the weather clears up I am unable to blow in perfection. suggest any remedy for the disease spoken of above. A few hints, however, may be useful as preventives. Never allow the dry leaves to accumulate, as they produce heat. As soon as a worm is observed to years since; these were denominated whole-blowers, be diseased, remove it from the healthy ones; for it is quite possible the disease may be contagious-at all events, a worm in a high state of lever and mortification, continually in contact with them, must be deleterinus to the health of the others. The disease in question is first observed, when the worm disthree times as long discharging as a healthy one. After the excrement is expelled, in a healthy worm, the rectum, which is always protruded in this act, returns in the course of a minute, and becomes invisible; but if the worm be diseased, the rectum or two mortification turns it of a dark brown.

I have now given you the result of my experience and acquirements on the subject of silk worms If this paper should cause one needleful of silk to be carnes, the natural flesh colour. spun where none was ever spun before, I shall be amply satisfied for the trouble of making the communication. I think every farmer ought to bave arenarius; sive. dianthus caulibus subunifloris, squaafford a very interesting employment for the female ing income. Every farmer's family can make the sewing silk necessary for family use, and a little to sell, with less trouble than is required to make flax thread. For weaving silk, factories will be established, who will buy the cocoons of the farmers, and reel and twist the silk by machinery.

Yours, truly,

GIDEON B. SHITH.

LADIES' DEPARTMENT.

FLOWERS.

(From Maddocks' Florist Directory.)

The carnation is of the class and order decancalycinis subovatis brevissimis, corollis crenatis; i. e. petals crenated or notched.

ble point, and therefore, after having related the pearance. simple fact, we leave the discussion to those who

improvement or variety.

The principal, or most generally esteemed sorts of carnations, cultivated in England, till within the last fifty years, were called bursters, because their blossoms* consisted of a double pod;† the interior one being in the centre of the other, and containing

The cantion, therefore, swelling, caused the exterior pod, or ealyx, to burst;

The attention of the florist was diverted from the cultivation of bursters, by the introduction of a new description of carnations from France, about fifty in opposition to the former term of bursters; they were also called French flakes; their blossoms, in general, were furnished with only one pod or calyx, origin, its present highly improved state is doubtwhich by a little management on the approach of less the effect of long and assidnous culture, which, bloom was preserved in an entire state; the culture like the auricula, carnation, and pink, has been of them was, at the same time, attended with chiefly confined to this country. The beautiful charges its excrement. It labours hard, and is much less trouble, in other respects, than that of yellow of the cowslip, which it did not formerly the former, and they soon obtained a decided pre- possess in the same degree of perfection as at pre-

But the improvement, with respect to the edge of the petal, is of still later date; the first sorts, both of bursters and whole-blowers, being possessed of improvement in its other properties, within the last remains protruded, and is of a glossy amber colour; a fringe or serrature, in that part, like that of the twenty or thirty years; and the sorts known fifty in 24 hours it assumes a darker hue, and in a day pink; this has, however, been completely overcome of late years, and those possessed of that property, are not now esteemed to be of the capital sorts.

The word earnation is, probably, derived from

The pink is of the same class and order as the carnation; according to Linnæus, it is the dianthus his mulberry trees and silk worms. They would mis calycinis ovatis obtusis, corollis multifidis, foliis linearibus: i. e. sand dianthus; or dianthus with members of his family, and a much more interest mostly one flower on the stem, oval obtuse scales, the leaves linear or narrow.

This pink, according to Linnæus, is a native of the colder parts of Europe; it is also found in the north of England; but the improved varieties only, of what were formerly called pheasant eyes, form the subject of that part of the following work in which to know something about it, are willing to allow: and pinks are treated of, having now the preference in this and all other countries; these so materially differ, in some of their properties, from the origithat the arcnarius of Linnæus, is the original pheacient practice. sant eye, and as such it is given in this work.

The great improvements made in the pink, are dria digynia; according to Lianæus, it is the dianthus of very recent date, and hitherto chiefly, if not the tail raised considerably, and turned a little to one cargophyllus; sive dianthus floribus solitaris, squamis wholly, confined to this kingdom; in short, we may side. The horse ruminates his food like a raw, venture to assert, that a pink called Major's Lady scarcely separating his jaws, and his walk is neach clove dianthus; or dianthus with solitary flowers; Stoverdale, raised from seed in the southern parts changed,—both his fore and hind legs being much scales to the calyx rather oval and very short; the of England, by the person whose name it bears, farther apart than usual. His flesh becomes very was the first that deserved to be classed amongst hard, and at last his jaws are completely locked, The carnation, according to Linnæus, is a native such as are now held in esteem by florists; it was This is commonly the last symptom; but in some of Italy; the single clove carnation is, however, to raised about twenty years since, and was the first cases all these symptoms appear nearly at the since be found growing wild on the walls of Rochester pink possessed of that singular and beautiful ornatime. When this is the case, I consider it as an uncastle; but whether, from that circumstance, it ment called a lacing, which is a continuation of the favourable sign: for the slower the symptoms sucought to be deemed a native of this country, we colour of the eye, round the white or broad part coed each other, the less dangerous the disease, and pretend not to determine; it seems rather a disputation of the petal, which gives it a most elegant apvice versa; for when the affections of the jaws soon

Very little progress has yet been made towards danger. may be able to decide upon it with more certainty. divesting the pink of its fringed or servated edge; One of the greatest impediments to the cure of The carnation has attained its present degree of but that effect having been produced in the carnation this disease is the vulgar error of supposing that the perfection, by the unremitting attention of florists tion, we may reasonably hope, that it will in time horses have what is called the hooks, an opinion that to its culture from seed, the only line in which the take place in the pink, and that we shall be able to originated in ignorance, because it has no foundaspecies of any plant, or flower, can possibly receive obtain tall, strong-stemmed pinks, with large hand-tion in nature. To prevent the cruel operation of some blossoms, consisting of petals as perfectly en- cutting for this supposed disease, (which would be tire on the edge as those of the carnation or the worse than the disease, if it existed at all,) I shall

* Many years have elapsed since the first publication there is little doubt but that it will become as indispenone being in the centre of the other, and containing of this Directory, during which time considerable prossable a qualification in the pink, as in the carnation, gress has been made towards obtaining pinks without and, perhaps, at no very distant period.

Secretary, during which time considerable prossable a qualification in the pink, as in the carnation, gress has been made towards obtaining pinks without and, perhaps, at no very distant period.

Secretary, during which time considerable prossable a qualification in the pink, as in the carnation, gress has been made towards obtaining pinks without and, perhaps, at no very distant period. way. As it is held an estimable quality amongst florists, Gardening, printed at London, 1771 and 1772.

The word pink is derived from the Dutch, in which language it signifies an eye.

The polyanthus is of the same class and order as the auricula, and has been considered, by different authors, to have originated from different species of the primula-some suppose the cowslip, others the oxlip; but the author of the Flora Londingusis. treating of the primrose, considers it as the original parent of the polyanthus, to whom we refer the reader for his reasons, which he gives at large in that excellent publication.

It is asserted, however, by some, that the polyanthus is a native of Turkey, where it may still be found in great beauty, &c.* To whatever plant it owes its sent, has, in the opinion of some, been communicated to it, within the present century, by impregnation; it has likewise received very considerable years ago are not now in cultivation, being neglected in proportion to the successive acquisition of new and superior varieties.

The word polyanthus, or pnlyanthos, is derived from the Greek, and implies many flowers.

MISCELLANEOUS.

LOCK JAW IN HORSES.

We publish the following communication, by a to the calyx, the petals cut into many points, and respectable physician of this county, with pleasure. Every thing that can contribute to the relief, under disease, of that noble animal, the horse, is worthy of attention:

This disease much more frequently occurs in that useful animal, than farriers, and those who pretend as ignorance of a disease will ever lead to mischievous and destructive practice, I offer the following lines to a discerning publick, hoping that they nal species, that it is not easy to ascertain to which will expose the error which has heretofore existed of them, as described by Linnæus, they most pro- with regard to the true nature of the disease in quesperly belong; there is, however, reason to believe, tion, and point out a more rational, safe, and effi-

In this disease the nictating membrane becomes succeed the other symptoms, there is the greatest

give a description of this part of the eye. The

the introduction of foreign matter into the eye, and into the mouth six drachms of calomel: 2d day calo- ascertain where any artifice has been practised. not being favoured with hands like man, or other mel was repeated, but no appearance of relief: 3rd, means of removing it, has been bountifully furnish- calomel repeated, no relief: 4th, calomel repeated, ed by nature with a nictating membrane. This is and the spasms less frequent, and of shorter duraof a strong cartilaginous nature, and is put in motion tion: 5th, spasms relieved; this morning he passed by the retractor muscles drawing the eye into the from the rectum a small watery discharge, but noorbit, by which motion this membrane is brought thing like a free or active purgative: 6th, he is better, over the globe of the eye: thus, by the motion of and can distend his jaws; I gave an injection of the eye, it serves to cleanse or wipe off any offen-corn meal gruel: 7th, purges a little, and the injecsive matter that may have been introduced.

arisen there in the course of a few days, because covered, and is now a very fine animal. they were not acquainted with the causes that ren dered it more visible than usual. There are many such causes, but more especially the two following: 1st. Inflammation in the eye, which, when stimulated by the rays of light, is drawn into the orbit, leaving the membrane partially exposed 2d. Spasms of the muscles of the eye, or parts adjacent, which probeen cut out to the destruction of the poor animal

high degree of inflammation.

reverse.

had any effect.

I was called to see a horse supposed to have had the hooks, and as the owner pretended to no knowledge of the disease, he had, through the persuasion custom with great breeders in the north of England, began to despond, or rather to despair—when Lady of others, suffered the operation to be performed and with many dealers, to pull out the sucking teeth several days before I saw him. Upon inquiry I when the animal is rising four years old—the mouth McGee, finding Phillis unequal to the task of beatfound that a bone had entered his foot about three is forced by these means, for the horse teeth succeed weeks before; but had been extracted a day or two ing soon after the operation, the animal appears to the field, sprung forward, and gaining at every afterwards, and left little or no lameness. For this be a five years-old. To detect such deveption rejump, passed Sally McGee just before reaching the reason those who saw him could not be persuaded gard must be paid to the tusk. Every horse, upon that the disease could have arisen from this cause, attaining the full age of five, has the tusk completeIt was easy to perceive that the symptoms of the ly up on each side of the mouth; but in forced five lock jaw were increasing; but as they had proceed-year-old mouths the tusk is only just making its way ed gradually, my prospect was pleasing. The through the gums. There frequently exists also in wounded part was dilated immediately, and dressed the latter an irregularity in the front teeth, as well course of the 2d round, Sally McGee again took with cantharides and spirits of turpentine. The as a backwardness in the growth of the tusk—forced the lead, and kept it, though at no great distance, symptoms did not abate, and the evident mark mouths vary in their appearance according to the goal -thus winning the race, and by proving of strong spasmodic actions rendered something time of performing the operation—and the habit of her buttom equal to her speed, giving promise of

horse, like all other brute animals, being liable to farther necessary. I with great difficulty introduced observing horses' mouths will alone enable you to tion was repeated: 8th, no more passage; his jaws Many have believed that this membrane had quite free, and his appetite returning. He soon re-

[IV. Rep. Oct. 20.

RULES FOR ASCERTAINING A HORSE'S AGE.

Yearlings and two year-olds are alike in the mouth, and must be judged by general appearance. duce the same effect, and is the reason why the te- At three years old the horse has four horse teeth, two tanus is so often supposed to be the hooks, which has no existence. This mistake is often fatal; for I supply the place of the sucking teeth. At four he have sometimes been unable to persuade the owners has eight horse teeth, four above and four below, of horses of these deceptions, and the cartilage has having the corner teeth only sucking teeth. At five years old these are gone, and the mouth is up-that The causes are, injuries of the feet; iron nails is, all the teeth are horse teeth, and the tusk is up oftener occasion tetanus than any thing else; dock- on each side of the mouth. A dark mark, or hollow, ing the tail; strong stimulating dressings after cer- is generally observable in all the teeth in the bot- themselves for the four-mile day. From the nomtain operations; operations which are followed by a tom jaw at just five years old, and the tusks are con- ber of horses entered, the reputation of some of cave in the inner surface. At six, the middle teeth them, and the fine appearance of all, the amateurs I conceive there are two species of tetanus very have quite lost this mark, and the tusk is higher up, of the turt anticipated much sport-an expectation different from each other,—the one evidently aris- and longer, and not so concave. At seven, the which the result fully gratified. ing from great and general debility, giving rise to next two teeth bave lost it, and the corner teeth onspasms, and the other originating from excess of in-flammation, requiring evacuations for its cure. I out of these, and no mark is left at all. The tusks six ran off beautifully, and for the first half mile, the imagine that the disease proceeds to a more rapid are also become longer, and instead of being con-lead was alternately taken and lost by Sally McGee, termination when it proceeds from fever, and the cave in their inner surface become convex-the Lady La Grange, and others. After this, it was horse is then termed aged. There is a great deal of largein taken by Sally McGee, and steadily held to In tetanus from wounds, the wounded part heals difference in the mouths of horses—some have lost the end of the heat. Restless, in the first round, long before the symptoms of lock jaw appear; in the mark in all, except the corner teeth, even as manifested fatigue or want of order, and was fairly many, from five to six days to two or three weeks early as five years old—others have the front teeth distanced. The remaining five were separated by afterwards. When the spasms were communicated in the top jaw projecting over the bottom teeth, at no great distance, and passed the goal in the folto the intestines the chance was a bad one, and an obstinate constipation was equally unfavourable. The same age—and I have seen horses at seven lowing order: 1. Sally McGee; 2. Lady Greensville; obstinate constipation was equally unfavourable. Time, 4 mi-With mercury I have cured three cases out of five, of a five year old. You may form some idea of the mites 2 seconds. The fourth would have done well, had not the age from the appearance of the mouth in general, owner of the horse, contrary to advice, permitted when the marks are no longer visible. If the cor-were reduced to five. This heat was the most the operation for the hooks to have been performed. her teeth do not appear long, and running forward interesting, as it was to decide the question as to The fifth was one of those desperate cases, and so as it were, to the front of the month-if they retain broken heats-one in which the great body of soccfar advanced, that I think no remedy could have their square shape, and shut well together-if the tusks are not blunt, and have the least concavity in Sally McGee her chance was supposed desperate; I could not perceive that the mercury had any ef-their inner surface, you may conclude that the horse as the well established by tom of Phillis and Pirate fect upon the exerctions, or any other except that is not very old, particularly if his head is not grey, it was thought must in that case prevail, for no one of relaxing the spasms in a few hours after it was and not very hollow above the eyes—though this believed her their equal in that quality. It proved given. The glands were not affected that I could latter shape sometimes exists in young horses. A perceive, and no part of the mouth, fauces or tongue, concave tusk is the most certain criterion of youth. The lead was taken by Sally McGee, and kept to shewed any marks of its action. The intestines and as mares have no took at all, they must be judg-were little if at all affected, as no purgative effects ed with reference to what we have said about the whole of this distance a brush was maintained bewere perceptible. It may be useful to state a case corner teeth. It is here necessary to mention that tween Phillis and Sally McGee, both contending in exhibiting in general the mode of treatment I have the difficulty of acquiring an accurate knowledge of good earnest for the heat, while Pirate and Lady used in those cases where mercury proved success- the age of horses by their teeth, is very much increased by the tricks that are practised.

SPORTING OLIO.



TREE HILL RACES-RICHMOND.

On Tuesday evening, 17th Oct. 1826, the Club ssembled to choose a President, vice Theophilus Field, Esq, deceased-when Andrew Stevenson, Esq. was elected. The same evening, entries were made for the Proprietor's Purse, \$300, two mile heats, as follows:

Mr. Wm. West's sorrel mare Lady Greensville. Mr. Wm. R. Johnson's sorrel horse Pirate.

Mr. J. J. Harrison's sorrel mare Lady La Grange.

Mr. Henry Clay's bay mare Sally McGee. Mr. John Minor Botts' sorrel mare Phillis.

Mr. Wm. Wynn's sorrel horse Restless.

Wednesday proved a fine day, and the course was well attended-the ladies only, seeming to reserve

1st Heat .- At one o'clock, all being ready, and

2d Heat.—Restless being distanced, the numbers tators felt more interest than any other. If lost by one of the most interesting heats ever witnessed. whole of this distance a brush was maintained be-La Grange seemed satisfied to save their distances. Phillis appeared rather to lose than to gain on her It is generally allowed that no horses are fit to antagonist, at the moment of entering the last quar-La Grange, who was 60 or 70 yards behind Sally ing the heat, to the great surprise and animation of judge's stand, and came out a few feet ahead, amid the shouts and cheers of the spectators. Time, 3 minutes 57 seconds.

Time, 3 minutes 57 seconds.

were made, viz:

John Minur Botts' bay horse Gohanna.

Wm. Wynn's grey mare Ariel.

Henry Clay's bay horse Monsieur Tonson. James Ross's dark bay horse Blenheim.

This was the great day-and a great concourse fatigue. assembled to witness the exhibition. Much of the 2d Heat.—Gohanna being distanced and Blenheim Hill Course. It was obvious that racing, the old the saddle. and favourite amusement of Virginia, had revived According to the general opinion, this was the

and was supposed to be in tip top order. However, brated horses of the time. Mon. Tonson was rode when Clay's horse, Monsieur Tonson, appeared by Bob Wooding. Time, 7 minutes 57 seconds. upon the field, there seemed some abatement in the Third Day — Post stake a single four mile heat, Ariel fever. If her form was faultless, so was his- \$500. if she appeared an equestrian Venus de Medici, he matched her as the Apollo Belvidere—if she seemed to walk upon springs, he appeared to tread upon Indian rubber All who saw him, pronounced his exterior figure unexceptionable, and asserted that if symmetry of proportion and speed had any connection Mon. Tonson was the full match of Ariel. This horse was a stranger, of Pacolet blood, and notwithstanding his promising appearance, gained from these circumstances, no other confidence, than the belief that he stood a tolerable chance for the first heat. If there should be broken heats, it was thought Golianna would prove the victor at lastfor on him, as on his sister Phillis, great reliance was placed for bottom, and his former performances had given him considerable reputation for speed. We heard little said of Mr. Ross' Blenheim-and the common opinion was, that he lived too high up the country (Albemarle,) to contend with the favourite race horse region, between the Atlantic and head of tide water. The result proved the general expectation not altogether unfounded.

1st Heat.—At the appointed hour, the signal was given and all four horses made apparently a fair start. Gohanna early dropped behind, confirming the impression of the public, that going for bottum, he was willing to throw away the first heat. A small brush was sustained between Mon. Tonson and Ariel, neither appearing disposed to run, or to permit the other to go much ahead. Blenheim also NEW METHOD OF CLEANING SILKS, WOOLLENS, AND made some exertion to win the heat. For the greater proportion of the four miles, Ariel kept ahead-whilst the solicitude of the whole field was method of cleaning silk, woollen, and cotton goods, awakened, by observing that the saddle had slipt without damage to the texture or colour of the one hundred lines. twenty dollars in cash, or a gold from its proper station, fairly up on her shoulders. same:

seconds.

Gohanna, after the heat, exhibited no sign of

beauty and fashion of the metropolis and adjacent withdrawn, the competitors were reduced to Ariel country, sanctioned the race with their presence, and Monsieur Tonson. Ariel continued the faand the piazza appropriated to the ladies, blazed vourite in spite of her discomfiture on the first heat. with a lustre altogether unprecedented on the Tree That discomfiture was ascribed to the mischance of

in all its former lustre-and the elderly gentlemen most beautiful heat ever witnessed. Until they enon the ground, had their imaginations carried back tered on the quarter stretch of the last mile, there to the days of Brimmer, Flagellator, Florizel, and was scarcely a length between them. For the whole Peace-maker.

Notwithstanding the numbers and the general exthird mile, Mon. Tonson led Ariel, and for more pectation, the knowing ones did not anticipate a than half a mile the two horses might have been the wainscoat with it. hard contest. They had already assigned the vic-covered with a blanket. The result was doubtful tory to Ariel, and in the excess of confidence, in- to the last—for so close behind was Ariel, so undispired by her severe contest with Flirtilla at New minished was confidence in her powers, and so little York, and her sweeping all before her during the had she been pushed in the first heat, or in the first last and present seasons, winning treble the amount part of the second, that to the very last moment of her purchase, offered odds in her favour. Ariel when it remained possible, the general expectation against the field, was the universal cry, and so was, that she would take the heat. But the friends strong did the tide run in her favour, that thousands of Ariel were disappointed, and Mon. Tonson came of bets of this character were probably offered and out ahead, some fifteen or twenty steps, amidst a rejected. In many instances 2 to 1, 5 to 3, t00 to roar of applause excited no less by surprise than sa-75, or proportional odds, were bet upon her, and tisfaction. It was immediately conceded that he from the indications, these is reason to believe that was a horse of first rate powers, and believed that large sums were won and lost. Her appearance, he had rather concealed, than displayed the extent indeed, seemed to justify the confidence of her of his capacity. His victory over Ariel, has, perbackers-she looked more like a bird than a horse, haps, placed him on an equality with the most cele

Mr John Minge's b. m. Eliza White, Mr. J. J. Harrison's s. m. Saluda, Mr. Wm. R. Johnson's b. h. Lafayette, Mr. James M Selden's s. h. Mountaineer, dist-

Time, 8m. 2s.

NORFOLK FALL RACES.

The Norfolk Jockey Club Fall Races, over Christian's Course, commenced on the 18th inst. Five horses were entered for the first day, but only three started, two being withdrawn. Mile heats-\$10 entrance-purse \$200, won by Mr. George B. Garrison's s. f. Sarah Hone.

The following is the result:

G. B. Garrison's s. f. Sarah Hope, 4 years old, 1 James G. Green's s. c. Austin, 3 years old, Thomas M. Bressie's b. m. Poggie, 3 years old, dis.

Time of running-1st heat 1m. 4s.

do 2d heat 2m 2s. Mr. Wilson's b. h. Sir William, Mr. Green's b. m. Isabella,

Time of running-1st heat 3m. 55s. 2d heat 3m. 52s.

3d heat 3m. 56s.

RECIPE.

COTTONS.

The following recipe is recommended as a good of the same value.

future celebrity. She was succeeded in the follow- In the last half of the fourth mile, Mon. Tonson | Grate raw potatoes to a fine pulp in clean water, ing order: 1. Lady La Grange; 2. Phillis; 3. Pirate. shot ahead; a circumstance that was generally and pass the liquid matter through a coarse sieve ascribed to the position of Ariel's saddle—and kept into another vessel of water; let the mixture stand No race was ever more enjoyed by the spectators the lead to the end of the heat, whilst Gohanna, to still till the fine white particles of the potatocs are Second Day .- Jockey Club Purse, \$1000, four the surprise and chagrin of the whole field, was precipitated: then pour the mucilaginus liquor distanced by about a length. It was apparent that this from the fecula, and preserve the liquor for use. On Wednesday evening, the following entries heat was no decisive trial of speed between Ariel The article to be cleaned should then be laid upon and Mon. Tonson from the time, and their passing a linen cloth on a table, and having provided a the goal at every round, hand in hand. Blenheim clean sponge, dip the sponge into the potato liquor, saved his distance narrowly. Time, 8 minutes 4 and apply it to the article to be cleaned, till the dirt is perfectly separated; then wash it in clean water several times. Two middle sized potatoes will be sufficient for a pint of water. The white fecula will answer the purpose of tapioca, and make an useful nourisbing food, with soup or milk, or serve to make starch and hair powder. The coarse pulp, which does not pass the sieve, is of great use in cleaning worsted curtains, tapestry, carpets, or other coarse goods. The mucilaginous liquor will clean all sorts of silk, cotton or woollen goods, without hurting or spailing the colour; it may be also used in cleaning oil paintings, or furniture, that is soiled. Dirtied painted wainscoats may be cleans!

while farmier.

BALTIMORE, FRIDAY, OCTOBER 27, 1826.

The next meeting of the Trustees of the Maryland Agricultural Society will be held at Lexington, the residence of D. Williamson, jr., on Thursday, the 9th day of November.

A large pear, weighing 281 ounces was left on the Editor's table this week-It was grown in a garden about two miles from Baltimore.

& SALE OF VALUABLE BOOKS .- An opportunity will be offered in Philadelphia on the 7th of November next, such as rarely occurs, of procuring choice and scarce books composing a private library of 6,000 volumes in the different departments of literature and the sciences; many of these books are European editions with fine engravings extremely rate and valuable. The sale will take place at the long rooms of Freeman, Son & Potter, on Tuesday evening, November 7, at 6 o'clock.

S. Potter, of the late firm of S. Potter & Co., Booksellers, Philadelphia, will be present at the sale of books, and will with pleasure purchase for those gentleman at a distance who cannot make it convenient to attend.

A catalogue of this extensive collection may be seen on application at the office of the American Farmer, at the Exchange, or at the Baltimore Library.

LITERARY PRIZES .- The proprietor of the Philadelphia Album intends distributing the following literary prizes. The merit of the pieces to be de-Second Day.-Mr. Garrison's b. m. Atalanta, 1 2 3 cided by a committee of literary gentlemen of Phila-2 3 3 delphia, viz:

For the best original Tale, fifty dollars in cash, or a gold medal of the same value.

For the second best original Tale, thirty dollars in eash, or a gold medal of the same value.

For the best original Essay, fifty dollars in cash, or a gold medal of the same value.

For the second best original Essay, twenty dollars in cash, or a gold medal of the same value.

For the best original Poem, not exceeding one hundred lines, thirty dollars in eash, or a gold medal

For the second best original Poem, not exceeding medal of the same value.

To be forwarded, free of expense, to Thomas C. worthy of being referred to only as evidence of the Clarke, proprietor of "The Album and Ladies' Week ly Guzelle," Philadelphia, as follows: -The Tales ing Territory, and as an carnest of readiness to be on or before the first day of December next-The instrumental in my humble way in the furtherance of Essays on or before the twentieth day of January all the views of your association. To that end, I next—and the Poems on or before the twenty-sebeg to be honoured with the continued correspon-Essays on or before the twentieth day of January cond day of February next, each article to be ac dence and commands of the Institute, and to offer companied with a scaled note, containing the wri-to yourself, sir. the assurance of the personal reter's name and address, which will in no case be opened, unless a premium be awarded to the writer thereof.

Editors throughout the United States are respectfully solicited to give the above one or more insertions.

COMMUNICATION.

23-Those who suffer from any derangement of the kidneys are recommended to abstain from porter, ale, or beer, and to make a free use of honey. One who speaks from experience.

FLORIDA INSTITUTE OF AGRICULTURE, ANTIQUITIES AND SCIENCE.

Sin,

Tallahassee, March, 4, 1826.

The FLORIDA INSTITUTE OF AGRICULTURE, ANTI-QUITIES AND SCIENCE, have elected you an honora-

ry member

This Institute has been formed by the citizens of the Middle District, for the laudable purposes of inquiring into, and unfolding the resources of this rich and flourishing Territory. The richness and ferfility of our soil, the strong traces every of different shapes to suit the different soils that are where existing of a once dense population, of some free from rocks, &c. Also, Nos. 8 and 9, cast broad a unknown, but highly civilized nations, and a disposition to unfold the sciences, have all co-operated in inducing a belief, that such an association would riority of these Ploughs over all others in use, the sub develop the character of our soil, the remains of our antiquities, and the scientific researches of our citizens. If, sir, your inclination or leisure will permit you, to aid the society in any of the objects of its formation, you will derive an additional title to the respect and esteem in which you are held by its officers and members.

I have the honour to be, sir, With high respect, your obed't serv't, WM. ALLISON M'REA, Cor. See'ry Flor. Inst. of Agric. Antq. and Science.

JOHN S. SKINNER, Esq., ? Baltimore, d. 3

> OFFICERS OF THE INSTITUTE FOR 1826. A. B. Woodward, President. James Gadsden, 1st Vice President. William P Duval, 2d Vice President. Achille Murat, 3d Vice President. Byrd C. Willis, 4th Vice President. Wm. Allison McRea, Correspond. Secretary. George E. Tingle, Recording Secretary. David B. Macomb, Treasurer.

Baltimore Post Office, 20th Oct. 1826. SIR,

I had the honour, but very recently, to receive your letter announcing my election as an honorary member of the Florida Institute of Agriculture, An-liquities and Science. Adverting to the names of its sale, at the Farm called "Blakeford," near Queen member of the Florida Institute of Agriculture, Anofficers and the interesting objects of the Institute, town, on Tuesday, 7th of November, next ensuing, it is in every view gratifying to be admitted a member. The mode by which I can most effectually cooperate in your labours, is by offering the use of the "American Farmer." which circulates throughout the Union, and was established for the express purpose of unfolding the resources of our common country, and of making known the productions and ing and creating Home-Markets for Agricultural proadvantages peculiar to each portion of it.

Amongst the respected officers of your Institute, I observe several who have been steady friends of Rules for ascertaining a Horse's age—Tree Hill Races, Printed every Friday, at \$5 per annum, for JOHN S. my journal, and to whom it is known that the soil, Richmond-Norfolk Fall Races-New method of cleanclimale, and productions of Florida have already ing Silks, Woollens and Cottons,-Editorial-Adverheen partially described in it; but these notices are tisements.

concern which is felt in the destiny of your flourishspect and esteem with which I remain,

Your obed't serv't,

J. S. SKINNER.

WM. ALLISON MCREA, Esq., Cor. Sec'y Flor. Inst. Agric. and Science.

BOARDING.

Wanted, a few Yearly Boarders in the respectable and quiet family of a lady residing in town, for the education of her sons. The charges will be moderate The residence is in one of the most convenient and healthy parts of the city. Not more than three boarders will be taken; and they must be of sedate and moral habits. For further particulars reference is made, by his permission, to Mr. J. S. Skinner, the Postmaster of Oct. 27.

PATENT PLOUGHS, STRAW CUTTERS, &c

The subscriber now offers to the public three hundred well assorted Ploughs, all of Gideon Davis' Improved Patent, comprehending every size, from a small seeding the heel for very light soils, where the Cary Plough have generally been used To prove the decided supe scriber would refer to those who have them in use fo the satisfaction of those who are macquainted with their merits. Also, Davis' Substratum, and Shove Ploughs—and likewise Ryland Rodes' Patent Hillsid. Ploughs. on hand.

The demand for the subscriber's Patent Cylindri Straw Cutter for the last six months having been mucl greater than he had anticipated, many orders have been received which he was not able to furnish, but he would inform the public that he is now better prepared comply with orders for these useful implements, which he warrants to he sufficiently strong and to cut with facility hay, straw, cornstalks, and cornshucks.—Those who wish to drive them by other than manual power will please to mention that in their orders, and th machines will be constructed particularly for that put pose. Also on hand, Brown's Vertical Spinners for spinning Wool, calculated for family use; and one ma chine on the same principle running sixteen spindle calculated for a small factory. Likewise, on hand Enoch Walker's Patent Wheat Fans. All orders er closing the money, will meet particular attention, an be the first supplied.

For sale one of the celebrated English Horse Hoes .-Also a box of very superior Indiana Oil or water Stone

for carpenters' use.

JONATHAN S. EASTMAN, No. 36 Pratt street, immediately opposite the Unite

VENDUE.

By virtue of an Order from the Orphans' Court the Personal Property of Robert Wright, deceased. ROBT. WRIGHT, Administrator. Oct. 27.

CONTENTS OF THIS NUMBER.

Curwen in reply to Columella revived, No. 2-Essay on the expediency and practicability of impro ductions and Raw Materials, by George Tibbitsgathering Fruit-An Essay on the cultivation of Sil by Gideon B. Smith-Flowers-Lockjaw in Horses-

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SKINNER, Editor, by John D. Tov, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

THE ART OF BREEDING.

TO JONATHAN ROBERTS, Esq. President of the Penn. Agric. Society.

In compliance with your request, I have presented or descent.

for the Society, an account of my sheep

territory, and I have endeavoured to show, that woolled race." "particular breeds have been for ages retained in npon which it has been reared. On the mountains cided, as to prevent its being assigned to any known of Scotland and Wales, on the hare chalk hills of family, or particular breed the southern and western parts of England, races and highly cultivated marshes of Lincolnshire, and said to be established or fixed in one family, constiother counties in the north, families, the very op-tuting thus an improved breed. posite to these, have been as carefully bred, posvery small bone, with the most sluggish dispositions, eighths-the fourth, fifteen sixteenths, and so on. without either the desire or the power to make ex- The variation of the blood in each cross is desigertion to obtain food."

have not given up long woolled sheep, but have re-knowledge, that the blood of the original sire or peatedly ordered them from England, in addition to dam, is so nearly sunk or expelled, as to be little several imported parcels, which I had obtained here estimated, leaving them at that point, in possession or in Massachusetts, more especially as I conceive of animals usually equal to pure blood. combing wool essential to certain manufactures. If it were not received among breeders, whose

about to be introduced

without the defects of either; I but hoped to procure breeders of dogs, and even of birds have attained. the hardiness and line mutton of Tunisian sheep, with some of the attributes, not of pure Dishley, but been received by some writers in a different sense merely of "Beanes' MIXED" FAMILY of Dishley blood. I expected from mongrels, but the degree of excellence possessed by mongrels, until after a suc lished at the desire of the President of the Royal cession of years, by proper selection, and repeated Society, decidedly the best which has appeared erosses, I might have fixed certain varieties in one family, constituting thus an improved breed.

I might have pursued my object for many years had begun with but two sheep. It is admitted by giving the highest authorities—facts, as well as the most of the opponents of breeding in and in, that opinions of practical men with certain views the father may be united with the daughter-with the grand-daughter-g. grand daughter-and g. g grand daughter; for the g g. allied, for he justly remarksgrand daughter is supposed to retain one-sixteenth

of the blood of the original dam.

joined, as they are both of precisely the same blood

Much confusion has arisen from the want of proper technical language to convey the principles upon which the art of breeding has been established. discriminately, causes no little difficulty in commuprevent cavil in the use of terms, I will endeavour had the good fortune to possess." to illustrate the acceptation in which they are taken by me

from Beanes' importation of Dishley and Tees- the perfections of the one, promise to correct.

affinity in all cases; yet the absence of determined Bakewell, whose practice has never been traced. characteristics, denies to them the appellation of a I have contended that the effects of breeding

But "race," I conceive, in the language of breed-I have never considered any race of sheep fitted ers. embraces many breeds; thus sheep are classed ed at the time I possessed many high bred males of for all the climates, soils and objects, of our vast under the general terms "long woolled," and "short

By the term "variety," I apprehend that breedcertain parts of Europe, where the shape of the ers mean a product fortuitous, or the result of Coates, one of the oldest breeders of Great Britain, animal has been made conformable to the purposes, design, exhibiting peculiar characteristics, either is evident in his declaring, that he has seen no bull to the climate, to the food, and face of the country in form or properties, or both, and which are so de-

of sheep have always been bred, which by the light- fixed by selection, and breeding in. When their ness of their carcasses, and the activity of their blood has been commixed, and their offspring has trine to your view, I would recall your own and muscles, are enabled to find sustenance, and by the been joined during many generations, with reference closeness of their flucces, are fitted to endure the to the approximation of the individuals so joined exposure, which in mountainous regions must al- to the points or properties desired, producing an ways be met. In the rich vales of Leicestershire, union of their characteristic peculiarities, they are

The first cross produces a variety called an half sessing heavy carcasses, long wool, shorter legs, bred—the second, three fourths—the third, seven nated by figures to a certain point only, because And with these impressions you will perceive I there is a point where all sagacious breeders ac-

experience has led to the conclusion-if it were not My success in crossing Tunisian long woulled sanctioned by men, whose habits of investigation, sheep, with "Beanes' mixed" family of Dishley and general knowledge, cannot fail to lead them blood, was sufficiently manifest in the fine rams, to truth, it might be questioned whether an imwhich you so much admired on their way to my proved breed could be found, whose attributes friends in Macyland and Virginia. In crossing these could be cetained without danger of some sudden animals of different breeds, BUT NOT OF DISTINCT transition destructive of all the objects, in the pro-BACES, both being of THE LONG WOOLLED RACE, I motion of which, it had been sought. This postdid not expect to obtain the good qualities of both, tion may be illustrated by the success which the

The term "breeding in and in" appears to have upon this subject, and in my impressions I am supported by Sinclair and Young, the one quoting Sebright in the "Code of Agriculture," the other estawithout danger of breeding too closely in, even if I blishing his positions in the "Survey of Sussex," by

By opposing "breeding in and in," Sebright does not intend to exclude the union of animals nearly

"Mr. Bakewell had certainly the merit of destroying the absurd prejudice which formerly pre-But a brother and sister should very rarely be vailed against breeding from animals, between whom there was any degree of relationship; had this opinion been universally acted upon, no one could have been said to be possessed of a particular breed, good or bad; for the produce of one The use of the words, family, breed, and race, in- year would have been dissimilar to that of another, and we should have availed ourselves but little of nicating precise impressions on this subject: and to an animal of superior merit, that we might have Durham.

"mixed family," as they are mongrels derived THE SAME DEFECTS NOT PREDOMINATE IN BOTH, BUT competition of stock.

water, * * * * jumbled in most cases with in the produce, the imperfections of the Southdown, Irish, and common American sheep other." Yet he opposes its being carried so far, The term family is used, to designate their close as some writers have imagined, it was pursued by

"breed," which I suppose must be marked by points, closely in are injurious; my practice, independent properties, or general conformation so distinct, as of any expression in favour of Sebright's doctrine, to leave no hesitation in regard to immediate origin will determine that I do not object to the union to a certain point, of animals nearly allied.

One of my finest bulls (Malcolm) which I importthe same breed, is derived from a cow begotten by Western Comet upon his g. g. grand daughter.

And that I am confirmed in this opinion by Mr.

which he would prefer to Malcolm as a sire.

The celebrated Knight-Mason-Rudd-Whitaker-Parkinson and Somerville, might be quoted New varieties are obtained by crosses-they are in aid of that which has been advanced; but more pointedly to bring the soundness of Sebright's docyour brother's experience in flocks of sheep made decrepid by too close adherence to the same blood.

I am yours, &c.

JOHN HARE POWEL. Powetton, Oct. 5th, 1826.

Note .- (From Sinclair's Code of Agriculture.)

The art of improved breeding consists, in making a careful selection of males and females, for the purpose of producing a stock, with f-wer defects. and with greater properties than their parents; by which their mutual perfections shall be preserved, and their mutual faults corrected.*

The objects of improved breeding, therefore, are, to obviate defects, and to acquire and to perpetuate desirable properties; hence, when a race of animals have possessed, in a great degree, through several generations, the properties which it is our object to obtain, and any tendency to produce unwished for properties, has been extirpated, their progeny are said to be well bred, and their stock

may be relied on t

was upon this principle of selection, that Bakewell formed his celebrated stock of sheep, having spared no pains or expense, in obtaining the choicest individuals, from all the best kinds of long or combing woolled sheep, wherever they were to be met with: and it cannot be doubted, that any breed may be improved in the same manner, namely, that of putting the best males to the finest females. After a superior breed, however, has thus been obtained, it is a point that has been much disputed, whether it is proper to raise stock, 1. from the same family; or, 2. From the same race, but of different families; or. 3. From races entirely different.

1. Breeding from the same family.—'This method is called breeding in-and in, or putting animals of

*Sir John S. Sebright's Essay on the Art of Improving the Breed of Domestic Animals, p. 5 and 8. All breeding proceeds on the presumption, that the tendency of any individual animal is to transmit to its offspring the form, constitution and qualities which it possesses; and as two animals are concerned in the production of one offspring, that one is expected to inherit, a form and constitution, compounded on the joint qualities of its two parents. Thus it is found, in nu-merous breeds of animals, as in deer, in the West Highland eattle, in the North Devon, and in the wild cattle of Chillingham Park, the offspring, for an indefinite number of generations, have borne the same general characters. Observations by C. Mason, Esq., of Clifton, co.

And he continues, that brother and sister may and attention, however, are necessary, to keep them †Sir John S. Sebright's Essay, p. 7. Incessant care even be joined with certain views, "should they up to the mark; and this rather fortunate than other-I have called all the old "Bakewell" sheep a Both be very good, and Particularly should wise, since it perpetuates the merit of breeders, and tho

1 Young's Lecture, p. 9.

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the nearest relationship together.* Though this breeding. He observes, that there never did exist vants. The provisions and bread-stuffs required to plan was some time in fashion, under the sanction an animal without some defect in constitution, in feed the artizans, while converting these articles of Bakewell's authority, yet experience has now form, or in some other essential quality; and such into manufactured and saleable goods, are also supproved, that it cannot be successfully persevered defect, however small it may be at first, will in-plied by foreigners. The consequences to the in. It may prove beneficial indeed, if not carried crease in every succeeding generation, and at last country and treasury are, that we are thereby distoo far, in fixing any variety that may be thought predominate in such a degree, as to render the enabled to pay for, and import, other articles which valuable, but, on the whole, it is so only in appear-breed of little value.* Breeding in-and-in, there-we want; and should, in that case import to the ance. Under this system, the young animal comes fore, would only tend to increase and to perpetuate into the world, on, comparatively a very small that defect; which might be eradicated, by a judicious these. In this state, we have now more than five scale. By keeping it fat from the first moment of selection from a different family in the same race. its existence, it is made to attain a greater size than nature intended; and its weight in consequence will same race, is therefore a preferable system. When be very great, in proportion to the size of its bones, these have been for some time established in diffe-Thus a generation or two of animals of an extraordinary form, and saleable at enormous prices, may be obtained; but that does not prove that the practice is eligible, if long persisted in. ; On the contrary, if the system be followed up, the stock get tender and delicate, they become bad feeders; and though they retain their shape and beauty, they will the celebrated Culley continued, for many years, a long time be expected to rise in this country, decrease in vigour and activity, will become lean and dwarfish, and ultimately incapable of continuing the race. The instances of this are numerous. The celebrated breeder, Prinsep, found, that decrease of size unavoidable, in spite of all his endeavours, by keeping the young stock well, to prevent it. Sir John S. Sebright tried many experiments by breeding in-and in, with dogs, fowls, and pigeons, and found the breeds uniformly degenerate. A gentleman who tried the system with pigs, brought them at last into such a state, that the females gave over breeding almost entirely, and when they did breed their produce was so small and delicate, that they died as soon as they were born. Nay, Mr. Knight's experiments with plants have fully convinced him, that in the vegetable, as well as in the animal kingdom, the offspring of a male and female, not related, will possess more states, and some in this state. At first, these cloths strength and vigour, than where they are both of the same family. This proves how unprofitable less, before the close of the war. At that time, such connexions are. That is no reason, however, they were met in those markets by large supplies why a breeder may not manage a particular family of animals to great advantage, by shifting or changing, instead of breeding directly from parents to offspring. Its lead of the propriety of procuring males from the flocks and berds of those who have the same or a similar breed. It has been remarked, cloths. The price declined to forty, to thirty five, that those farmers have in general the worst flocks, who breed from rams produced on their own farms, and that an interchange of males is mutually beneficial. ††

With respect to the doctrine, "that when you can no longer find better males than your own, then by all means breed from them, for that best can only beget best;" it is ably refuted by an intelligent au-

2. The breeding from different families of the rent situations, and have had some slight shades of difference impressed upon them, by the influence of advantageous to interchange the males, for the purpose of strengthening the excellencies and remedying the defects of each family. On this principle, to hire his rams from Bakewell, at the very time that other breeders were paying him a liberal price

HOME MARKETS-AGRICULTURAL PRO-DUCTIONS AND RAW MATERIALS.

(From the Memoirs of the Board of Agriculture of the State of New York.)

(Continued from p. 251.)

England, from the earliest times, supplied our southern states with coarse woollen cloths, called negro cloths. For a few years, the English were talogue of foreign manufactured articles are includexcluded from these markets by the late embargo and war, and manufactories for making cloths, as substitutes, were established in the New England from England, and they fell to below fifty cents. Orders were less frequent, or for diminished quantities, to England. The usual quantities continued and thirty cents. In 1823-4, an immense mass. probably the entire accumulated quantity in England, was sent out, and being still met by cloths made here, fell to twenty-five, twenty, and even seventeen cents. That operation broke down our manufacturers; they gave up the markets to the English, who, unless the tariff of last year shall pre-vent them, will again take the market at former neglition which a particular branch is dependent. thor, who has devoted much attention to the art of prices. The cotton bagging manufacturers of Kentucky, I am informed, met a similar fate in the decline and fall of their establishments.

There are several setts of articles, particularly blood, quite distinct, that they may avoid a consangui- be made here, to the extent of the home demand. all those made from wool and cotton, which would if not for exportation. If assurances should be given that the present prices would be maintained, † Paper by T. A. Knight, Esq., Comm. to the Board of Agriculture, vol. ii. p. 185. These dwarfish males, howardizans would soon appear. But adventurers in ever, may not have an injurious effect on the stock of these pursuits are deterred, and dare not undertake another person, especially the first cross, if the females them; partly from the appreheusion, that the prebe of a coarser quality, and, on Mr. Cline's principle, sent protection, by way of duties, may be abated; if they are of a larger size than the males put to them but much more so, from a dread of the competition which they well know must ensue between them-Sir John S. Sebright's Essay, p. 13.

Paper by T. A. Knight, Esq., Comm. to the Board plied the country with these articles. The conseselves and the foreigners, who have hitherto supquence to the farming and landed interest is, that the wool is grown in foreign countries, instead of this, to clothe about all the rich and fashionable part of the community, and even labourers and ser-

> * Sir John S. Sebright, on Improving the Breeds of Domestic Animals, p. 11 and 14.
>
> † Geoeral Report of Scotland, vol. iii. p. 17.

we want; and should, in that case, import, to the full amount of all we could and should make of hundred thousand persons clothed in the woollen and cotton goods made in fureign countries, and of foreign raw materials, except part of the raw cotton. The importations of woollen and cotton, excced sixteen millions, and the consumption, fourteen difference impressed upon them, by the influence of millions; and the proportion of our people who different climates, soils, and treatment, it is found consume them are immense.

These particulars are stated, to illustrate the position, that manufacturing establishments, commensurate with the wants of the community, cannot for unless they are shielded and protected in their infancy by government, and that they may, with for the use of his own; and the very same practice that protection, some of them soon be expected is followed by the most skilful breeders at present, to rise, without prejudice to the treasury, or the consumers of foreign goods, except, perhaps, a temporary rise in their price at the commencement. By gradually taking up and protecting particular articles in succession, such as could probably be supplied in the country, the whole would be ultimately taken up, protected, and made at home. Wool, cotton, and hemp, may claim the preference at present; afterwards, iron, steel, and other goods; from time to time, until the whole ca-The farming interest and receipts into the treasury would, at every step, be found to be promoted and advanced. The farming interest would soon find a home consumption, and home markets for all their productions; and in these, irresistible inducements for further improvements in their modes of cultivation. The capacity of the country to pay for larger quantities of the foreign articles, still remaining to be imported, charged with the payment of duties, would fill the treasury to overflowing.

I am aware that I have given but a very inadequate view of the embarrassments and difficulties which attend the commencement of manufactures in countries where the arts have been neglected. It is not so much from the want of hands, such as they are, or from the want of capital, that monufacturing is not commenced, as from the absence of the arts, and professions; or some one, or all of petition among them; and above all, the powerful. but inevitable competition, which the new beginner must meet with in the foreigner, who has before supplied the market. These difficulties and discouragements, in the commencement of manufactures, are altogether such, in regard to many of them, as the uniform experience of every country has found it impracticable to overcome, without the aid of the powerful shield of government to protect them against foreign competition, in their infancy.

My recollection may fail me in an attempt to suggest the numerous objections which have been urged, against granting the protection to manufactures required of government, or the different interests and professions, by whom they are made.

Among others, it is held, that the country is not capable of furnishing the necessary stock and variety of raw materials; and, in particular, that it cannot supply the wool for woollen manufactures,

That a certain loss of revenue derived from imports, must be sustained, and direct taxation, to make good the deficiency, must be a consequence of this protection.

That we have not the hands to spare from the other more healthful and profitable employments-

Sir John S. Sehright's Essay, p. 13. Paper by Hen-

ry Cline, Esq., Comm. vol iv. p. 442.

§ Paper by T. A. Knight, Esq., Comm. to the Board of Agriculture, vol. ii. p. 185.

of Agriculture, vol. ii. p. 186.
** Husbandry of Scotland, vol. ii. Appendix, p. 109. The same rule holds good regarding the human species. By a train of unfortunate circumstances, a brother and sister german, ignorant of their close connexion together, were married. They had ten children, all of whom died before their parents.

if Paper by T. A. Knight, Esq., Comm. vol. ii. p. 172.

It having been found, that this system produced animals quite deficient in vigour, those who are now possessed of a capital stock, keep two or three streams of

and in successful operation-the danger of smug- for any length of time continue to import. gling; the destruction of all regular commerce; the demoralizing influence of manufacturing establish-ticle, together with bread-stuffs and provisions, are abroad. But these results may be further illustratments; the great and unnecessary injury to the directly, or virtually prohibited. There still re-ed by the experience of this country in the article farming interest, as it would be at their expense, more immediately, that the required protection be imported. All the articles whose growth requires mont of the late war and embargo, immense quanmust be granted—that manufacturers do not re- a warmer or tropical climate, or which cannot be tities of coarse cotton cloths were imported from must be granted—that manufacturers do not be a warmer of dopical climate, of which cannot be due to coarse cotton cloths were imported from quire further protection; they are doing well, and conveniently raised, or the value of which may be will increase as fast as the welfare of the country further augmented by the labour of her artizans, by the war and embargo. During the war, the arrequires; and it is held by the cotton, sugar, and The raw silks, oils and fruits of Italy; the cotton of ticle being in great demand, manufactories were tobacco-growers, that it might excite the displeasure our southern states; the sugars, spirits, dye stuffs, established, and commenced their operations. At of England, and that, by way of retaliation, she and fruits of the West Indies; the wines and fruits the close of the war, the country was again inummay shut out their commodities from her markets, of Spain, Portugal, and other wine raising coundated with India and English coarse cotton cloths. These foreign cloths, meeting those made here in refuted, satisfactorily to my mind, still it may not be furs of Russia and Sweden; the timber and peltries our markets, the market was overstocked, and the

nish the necessary quantity of wool.

try, in sufficient quantities to elothe its inhabitants, her exportations; or she would no longer derive any the quantity in the market, the effect of this duty. This is evidently erroneous The only reason why benefit from her exportations; other nations having was not in mediately felt. wool has not heretofore been grown to any consi-nothing which she wanted, or would take in ex-derable amount is, that there has been no steady or change. The question is; is she, by manufacturing, of this protecting duty, however, the cotton mills nothing, compared with other kinds of agricultural to the smaller quantity, to which, without manufac- ness, and from the competition which ensued among produce During the war, and embargo, the quantity of wool raised, was very much increased; and if It is contended that she is thereby enabled to imarticle, at a much less price than it was formerly it. At the close of the war, however, the country people; ten folded her revenue from duties, and was again inundated with foreign wool, in the shape raised the nation to a state of the most enviable prosof woollen manufactures; which had the preference perity. to cloths made here, by our half learned artists. feat, by some caprice of government, or change of times. The small addition to the tariff of last year, has increased that confidence. The flocks are now that Queen, is referred to. again more carefully attended to, but the price of Although much was done during the reign of that again more carefully attended to, but the price of wool may soon again decline, unless the duties on monarch, the trade and manufactures of England in goods; secured the home market to her raw hands, imports are further augmented, so as to draw into the succeeding, as in the former arbitrary reigns, to and gave them the fullest opportunity to become the country, or grow up in it, a sufficient stock of the revolution, underwent many fluctuations. From adepts in the art; the consumers in the mean time, artizans, to make and supply all the woollen goods that time, the laws and regulations relating to marequired in the consumption of the country; and un- nufactures and trade, could be no longer altered or like goods could be had from abroad. The conseless this stock of artizans shall be enlarged, and changed for political or monied considerations, by manufactories of the article established, commensu the arbitrary proclamations of the King. Monoporate with the demand of the country, another slaugh ter and destruction of sheep may be expected.

to be provided for manufactories, because the revenue derived to government from duties payable excluded, by direct inhibition, or high duties. And ticle, amounted to 54,000,000 pounds sterling, or quence of this protection.

the Congress are not authorized to grant the re- at first view, it is, nevertheless, beyond all question to follow from the like causes, in all the countries quired protection, by taxing the many for the benefit of the few; nor to cherish and elevate one nation imports commodities from abroad, of some prove, it is apprehended, conclusively, that the reclass, to the prejudice of others, and particularly sort, to about the amount which it is convenient for venue of a country, and particularly of this counthe shipping interest, which is already established, it to pay for, and beyond its ability to pay, it cannot try, derived from duties on imported articles, may

aggregate from all the countries from which she im- of them ruined. Congress, however, increased the

the growers and manufacturers of that article then, port more; and to illustrate this position, the trade imported. The country is not only supplied, but in this country, could have been defended from the of England is referred to, when that nation did not overflowing the demand at home; it has at this time interference of foreigners, and foreign wool, in the manufacture more than this now does, when she sent become a great, if not the best and surest article shape of woollen cloths, had continued to be ex- her wool, raw materials, &c., to Flanders, and other for exportation which we have. The coarse cotton cluded; before this time, the quantity of wool raised, countries, and received cloths, and other manufac- cloths of this country now have the preserence in would not only have been equal to clothing the entured articles in return; a practice which she contire population of this country, but by necessary tinued for many centuries; in either of which, or England made for like purposes, and it bids fair to competition, the quality would have been improved, even in half a century, by adopting her present poli-supplant them in all foreign markets, where the and its price reduced to the proper level, or below cy, she might have greatly enlarged her number of cloths of both countries find admittance and a

By reviewing the history of the manufactures and The consequence was, that our new beginners in trade of England, it will be found that, at the comthe manufacture of wool, were broken down and mencement of the reign of Queen Elizabeth, her ruined. Wool could not be sold at hardly any revenue derived from customs, or duties, on all the price. Sheep became useless to the farmer; and imported articles, amounted to but 14,000*l.*, yearly. the flocks of sheep were killed off by thousands. The measures adopted by that Queen, and her export of this. And it is found that we still imand their carcasses thrown to the hogs. The flocks cellent minister, Cecil, in protection of the manufactory of these other articles to the full amount of all of sheep were destroyed in this summary way, or tures and trade of her people, raised the revenue by peddling them about in our markets, at from from this source, in her time, to more than 50,000l., fifty, to seventy-five cents per head, until the num- and from these plain reasons, that her nobles, preber was reduced to the demands of a part of our lates, and gentry, consumed larger quantities of farmers, for the coarse fabrics made in their fami-home-made, instead of foreign articles; and her peogress of the manufacture of this article in England. lies, for their use The farmers have, however, ple were thereby enabled to earn more money by lately, again slowly, and cautiously increased their making them, and to import and pay for a greatly flocks, apprehending in the mean time, another de increased quantity of foreign articles, still remain-

eertainly be augmented, by gradual diminutions of In England, all, or nearly every manufactured articles from mains, however, even to England, a vast amount to of coarse cotton cluths. Befure the commenceimproper, at this time, briefly to notice some of them. of Canada and Norway, and a multitude of other ar-In regard to the capacity of the country to fur-ticles. Her importations of some sort, taken in the in this country were stopped, and the owners, many It is said that wool cannot be grown in this coun-ports, must, in the long run, equal, or thereabouts, duty upon this article, for their protection. From

efficient demand for it. The demand during our late thereby enabled to import more; the duties payable were again put in operation, and, as the manufacwar was great. Before that time, it was next to upon which, shall be productive in like proportion, turers became better acquainted with their busi-

By protecting the manufacturers of this article for a short time, (who are good customers for our bread stuffs and provisious,) from the interference of foreigners, the continual drain of money to Engmaining to be imported, to the full amount of all we are able to pay for, and the rate of exchange remains very much against us.

While on the subject of the manufacture of cot-Before the English prohibited the importation of cotton goods, they were imported from India and sold at about one third the cost of making them in market, and probably never become workmen at the paying more than double the price, at which the quences resulting to England, are, that she is now at the head of that art, while none of the raw malies were put down, further prohibitions of manu-terials are raised in that kingdom, but every fibre of factured articles were enacted or enforced by se them imported from abroad At this time, or in the It is maintained, that no further protection ought verer penalties, until every foreign manufactured year 1823, as appears from a statement in parliaarticle which could be made at home, was virtually ment, by Mr. Huskinson, her manufacture of the aron importations, will thereby be diminished, and it is worthy of remark, that, as foreign manufactions about 240 millions of dollars—her exports of the ardirect taxation resorted to, as a necessary consecutives was excluded, the receipts from duties on importations and it is worthy of remark, that, as foreign manufactions about 240 millions of dollars—her exports of the ardirect taxation resorted to, as a necessary consecutives was excluded, the receipts from duties on importations and it is worthy of remark, that, as foreign manufactions are about 240 millions of dollars—her exports of the ardirect taxation resorted to, as a necessary consecutive was excluded, the receipts from duties on importations are also as a necessary consecutive was excluded. portations augmented, until 1822, they amounted dollars - the number of families employed in this If the reverse of this anticipation is not evident to more than 11,000,000l. These results are found business, 500,000. Her exports of this article alone,

Will any one say that the establishment and protection of this branch of manufacture, was purchased her debt. She has but to avoid, in future, unnecestoo dear by England? It cost a temporary expense sary wars, to discharge a debt, once thought to be to the consumer, of the extra price paid for the so enormously large, as to be wholly impracticable home made, over the imported article. Did her land-holders pay too dear for it? They now de-rive the benefit of a home market for all the provi-porting other articles; and that no country would, from them all." sions and bread-stuffs to feed, wool to clothe, build or does export articles of value, without receiving in ing materials, &c., to supply a large population return, value of some sort; and that this value usualwhich never could have been in existence without ly consists of commodities, on which there may be, it, and exceeding in amount, all the exports of these and usually are, duties imposed and paid to governarticles by this country. Did her shipping and importing interests pay too dear for it? Have they, in consequence of the exports of this article, been able to pay for, and impurt, more than they could have done without it? Has the national revenue, from duties on imports, been augmented by the exworld, that she will not only pay for, and import, all 24 young ladies of the school, attracted the admiportation of this 98 millions of dollars worth of cotamount in other articles? It is believed to be evident, that, in every point of view, she has been immensely benefited by it.

cy to that observed in relation to cotton. 1,000,000l., or 4,500,000 dollars. Its produce is The families supported by it, are 40,000.* Does not her landed interest derive great benefits from the supply of these families? Is not England able to import more in consequence of her exportations of manufactured silk goods? But to contrast the policy of this country with that of England in each particular, would lead me into details which might become tedious. Permit me, however, to say, that the policy of this country, with very few exceptions. class of people, are ruinous.

Our government, during their late two and a half was every way distressed for the want of blankets and clothing. The whole revenue which they were able to raise, from taxes of all sorts, amounted in the Agricultural dinner: that time to but \$35,642,488 And by loans at usurious rates.

Total,

The policy of England is directly the reverse of nence, and so equalized and distributed the capital an honest and prosperous policy. without difficulty. She has thereby multiplied her

of this country, including the raw cotton of the has, moreover, since the war, remitted taxes, which produced \$28,237,500 annually, and has established

Although as a general rule, the exportations of ment; still a particular country may be so far in advance of all, or many others, in regard to the arts, sciences, trades, and professions required for pronot adapted; but by way of return values for her ex- different stitches. ports, shall receive the public securities or stocks of foreign governments. And this I take to be the the most respectable families in Newport, and further silk manufactory presents another item of situation of England at this time. That nation not mish abundant evidence of the respectability of the surprising advantage; raised entirely by a like poli-only as for, and imports, an immense quantity of employment in which they are engaged. One hun-The foreign articles, with its manufactures, but has accu- dred and sixty are now employed at Newport, most raw materials, also, wholly imported, and costing mulated the public securities, or stocks of foreign of whom can earn from one to two dollars per governments, it is said, to the amount of nearly two week, and branches of the school are about being 10,000,000l., or \$44,500,000; leaving \$40,000,000 hundred million of pounds sterling; and she is note-established at Providence and Bristol. to be divided between the makers and government, riously a larger holder in the stocks of this country. (To be continued.)

WORCESTER CATTLE SHOW.

The President of the United States attended the Cattle Show and Fair at Worcester, Mass., on few days, in consequence of eating new corn. Wednesday, the 11th inst. He arrived on Tuesday, the intelligence of which was echoed through the town by a national salute, fired by order of Governor is that of encouraging importations of manufactured Lincoln. He attended the ploughing match, listen articles, and of discouraging manufacturers. The ed to the exercises in the Meeting-house, viewed Sir,—Your favor consequences, both to the government, and every the animals exhibited, and in comphance with the fertile portion of the spike of a grass, lately sent to invitation of the Society, was present at the Agri-cultural dinner. He left Worcester on Thursday, page 244, of the present volume of the American years' war, were unable to procure the six thousand for Newport, R. I. After examining the Fortificablankets which it owed to the Indians, and the army tions at Newport he embarked on board the steam-

45,172,58t among themselves, and not unreasonably quarrel as only a single spiked variety of the T. dactyloides, \$80,815,069 with the "Landlord."

ours. She discourages the importation of manufac- States-Most wise and most fortunate is the statestured articles of all kinds, and encourages making man, who rejects the capricious popularity which South Carolina and Georgia—and also in Rees' Cythem at home. By pursuing this policy steadily, must be run after, for the assurance of the honour clopædia, art. Tripsacum. The common, or Engshe soon raised the nation to comparative pre-emi- and confidence which follow the steady course of lish name, is Sesame grass It is spoken of as

number of people, and increased her effective means, the sentiment with which they had honoured him, agriculturist. It may, perhaps, answer a valuable until she may well defy competition. She closed a he availed himself of the same opportunity of prewar of twenty years, about the same time that our senting his thanks also to the Trustees of the Sociemeaduw grounds; but I should doubt its applicalate war with her terminated. In the course of that ty over which you preside, for their kind invitation bility to this region, where the frequent rotation of time, she raised by taxes, the enormous sum of four to attend at the celebration of this festival, and for crops is so generally, and so advantageously practhousand six hundred and sixty three millions of the further honour which they had this day done tised. It would, nevertheless, be very satisfactory dollars; and two thousand three hundred and ninety- him by electing him an honorary member of their to learn some further particulars respecting its culthree millions of dollars, by loans; making together, Association. That a large portion of his life had ture, and its utility as an article of food for cattle, seven thousand and thirty-eight millions of dollars; been passed in absence from his native state; an For the attention which he has already paid to the and apparently with less financial distress, than we absence which would almost at all times have been subject, your correspondent is certainly entitled to involuntary, but for the consideration that it was the thanks of the agricultural community. *Hoft's Administration of the affairs of Grea tBritain in the service of his country; yet that, from his earliest childhood, he had heard much of the town

amounting to about double all the domestic exports experienced in our short war with her. England and county of Worcester, of its farms, of its farmers, and especially of its schools. That to institutions which produce results such as he had witnessa sinking fund of \$22,500,000, which is fast reducing ed in the exhibitions of this day, if he could contribute nothing else, he could at least offer the tribute of his best wishes, and in that spirit, would propose as a toast-

"The Dairies, Nurseries, and Schools of the town

PROVIDENCE CATTLE SHOW.

At the late annual cattle show and fair at Providence, awards to the amount of \$196 were made to ladies, for household manufactures. Among other articles exhibited, were two boxes of laces. from the the articles required in the support of that country; ration of all who saw them. One of the pieces (a ton goods, and the importation, of course, of a like to the growth or fabrication of which her climate is veil,) by Miss Adeline Friend, was wrought with 96

The names of these females belong to some of

CAUTION TO FARMERS.

The Marietta (Pennsylvania,) Pioneer, of October 18, says, we are informed, that several very fine horses have died in this neighbourhood, within a

VALUABLE GRASS.

Westchester, Pa., Oct. 28, 1826

Sir,-Your favour, enclosing a few joints of the page 244, of the present volume of the American Farmer,) was duly received; for which be pleased

to accept my thanks.

The plant in question is undoubtedly the TRIPSA-CUM of the botanists: and, judging from the description given by your correspondent, I should say it The "Tenants" in the subdivisions of the great was the species called Tripsacum monostachyonspecies which usually bears two or three spikes. Our illustrious Guest, the President of the United This grass you will find well described in the books; particularly in Mr Elliott's Sketch of the Botany of abounding in the vast prairies of the west, and likeand labour of the country among all the arts and professions, required in producing the necessaries, the warmest enthusiasm of feeling, and when the occasionally, from New York to Carolina; but I comforts, and luxuries, to which her climate is cheers ceased, the President rose, and addressing have not met with it myself. The character which adapted, and wanted in the support of her own, and the President of the Society, expressed his acknow- your correspondent gives of it, as an article of husmany other nations, that she meets any exigency ledgments in substance as follows: "That in returning his thanks to the company for drawn, renders it an object of much interest to the

Very respectfully, Your most obed't, W.D.

and treland, page 115.

HORTICULTURE.

LARGE TREES

Chardin, the traveller, tells us that in the King's whose trunk was eight yards in circumference .-From the great age of this tree, it was treated with under its shade, and hang chaplets, and pieces of all other trees are but children of the forest."

The following account of the celebrated candles to the trunk, and to perform other super-Throughout Persia, are many other trees thus superstitiously reverenced by the people."

best information that we can obtain," says a Hart- Ætna. ford paper, "this tree is no less than four hundred

In May, 1826, there was an Elin blown down in and four inches in circumference, making the diameter something over nine feet; and was forty feet from the fout to a crotch; from thence it was 20 feet to the first limb running to the height of sixty feet of the lava; and proceeding about five miles farther, top was much broken, but was computed to be up- disappointed, as it appeared rather a cluster of five same ratio." wards of one hundred feet."

"An elm tree standing near the house of Captain Joshua Avery, in Stratham, (Mass.) and reared the same stem, and that in the days of old, it was with seven well filled ears of sound corn. He has since his recollection; at four feet from the ground, measures eighteen feet in circumference and one hundred feet from the extremity of the branches on the one side, to the extremity of them on the other. It was planted 80 years ago; and to use Captain Avery's expression, was then 'smaller than his thumb.' "

Mr. Nelson, the botanist, who accompanied Captain Bligh to the South Sea, for the purpose of conveying the Bread-Fruit Tree to the West Indies, when on Van Dieman's Land, "found a tree in a thriving state, of the enormous size of thirty-three feet and a half in girth, and at a proportionable height."

In Cook's first voyage, Sir Joseph Banks and Dr. Solander, (I think it was in New Zealand) measured cumference, and they found still larger trees as they advanced into the wood."

On Mr. Cook's third voyage, they saw Indian canoes on the north west coast of America: "the trees, at the mouth of Columbia river, of twelve We should like to see its seed scattered. largest of which carry 20 persons or more, and are formed of one tree. Many of them are forty feet long, seven broad, and about three deep."

We are told in the narrative of Gov. Phillip, in his voyage to Botany Bay, that on Norfolk Island, "the pines arrive at a magnitude unusual in any other part of the world: some of them are one hundred and sixty, or even one hundred and eighty feet in without a branch."

The Elm in Hatfield, (Mass.) is said to be the largest tree in New England. "It measures in cir-state, has raised upwards of 40 bushels of potatoes, cumference thirty four feet at two feet from the a purple colour, from the planting of three pecks: ground; at the height of five feet the smallest place most of them had grown to the length of 7 or 8 in the trunk, the circumference is twenty four feet inches, and 6 or 7 in circumference; one measured six inches. There is a cut in the tree four feet 13 inches long and weighed 2 lbs. six inches. from the ground, which tradition says, was made by the Indians, for the highest rise of Connecticut garden three pumpkins; one weighing 136 lbs., and river."

dimensions are almost incredible. Within three feet son" being an epithet not in much odour. of the surface it measured sixteen yards, and close by Garden at Shiras, (in Persia) "he observed a tree the ground, twenty-six yards. Its height in its present ruinous state, (1776) is about eighty-five feet, serence. and its principal limb extends sixteen yards from the peculiar veneration by the inhabitants: they pray boll." "When compared to this, (says Dr. Hunter)

The following account of the celebrated horse friends, resort here, to burn incense, to fix lighted Chesnut of Mount Ætna, is from Brydone's 'Travels: that we have ever heard of." "leaving the Catania road on the left, they began stitious ceremonies, in the hopes of their health: to ascend the mountain, in order to visit the celebrated tree, known the name of the Chesnut Tree of weighing 154 lbs., and measuring 36 inches in an hundred Horse, which for some centuries has length, and 21 in circumference. "Beat it" (says "The Charter Oak," in Connecticut. "From the been regarded as one of the greatest wonders of the Raleigh Editor) "if you can."

"At the end of the first region, the ascent beyears old: it is twenty eight feet in circumference came more rapid, till they arrived at the beginning inches in circumference, and weighed from 20 to near the ground, and at the height of seven feet, it of the second region of Ætna, called La Regione is 17 feet in circumference; the beight of the tree Sylvana, by the natives, because it is composed of with 110 apples gathered from a tree in Newtown. as near as can be ascertained, is about 70 feet; one vast forest that extends all round the mountain. These mammoth apples have been more common some of its branches extend nearly 20 feet."

["The woody region of Ætna ascends for about than usual, during the present season. They are eight or nine miles, and forms a zone, or girdle, of called the king pippins. We invite our confec-Wells, (Maine) which "measured twenty seven feet the hrightest verdure, all round the mountain."]- tioners to send for some apples of this description. The same author.

"Near this place, they passed through some beau-tiful woods of cork and evergreen oak, growing out trees growing together, than a single root; however, he was assured that they were all once united in regarded as the beauty of the forest, and visited accompanied it with the following pleasant note:from all quarters. It measured no less than two hundred and four feet in circumference; and if, as it is pretended, it was formerly one trunk, it must, indeed, have been a wonderful phenomenon, in the ground"

"there now stands on the bank of the Ohio river, in stalk, a striking contrast with what we hear of the the state of Indiana, opposite the mouth of Salt ricerops of corn a few counties below us, where we ver, a Sycamore tree, which has stabled fourteen are told there are many large fields not having in a tree that was "ninety-eight feet high from the ground head of horses at one time, with ample room. It the proportion of one ear of any description to an to the first branch, quite straight, nineteen feet in cir-takes 75 long paces to go round its trunk, and you hundred stalks. may, with perfect ease turn a fourteen foot pole in the inside of its cavity"

feet diameter and two hundred feet high.

The above trees have all grown within the temperate zones, and with the exception of that in Great Britain, between the latitudes of 30 and 42°.

LARGE VEGETABLES.

From many of the floating paragraphs in the height, and nine or ten feet in diameter at the bottom newspapers, (says the Richmond Compiler) it would of the trunk. They frequently rise to eighty fect appear that the present has been a remarkable season for vegetable curiosities and growths.

A Mr. John Griggs, of Jefferson county, in this

Mr. Caleb Davis of Clarkshurg has raised in his 6 feet 4 inches in circumference: the second 113 one billion and twenty millions were made annually. The largest tree in Great Britain, that I have ever lbs., and the third 100. "We have repeatedly read of, is the one cited by Smellie, in his Philoso-heard (says the recording Editor) of large squashes, about one dollar and eleven cents per thousand.

phy of Natural History; which was growing at cucumbers, sea-serpents, &c. &c., but we think we Cowthorpe, near Wetherby; upon the estate becan out pumpkin all of them." Rather an unfortulonging to the Right Hon. Lady Stourton. "The nate phrase for an Editor; a "pumpkin-headed per-

A gentleman in New London, near Lynchburg, has raised a tomato 2 feet and 3 inches in circum-

A radish was raised in the lower end of Botetourt county, measuring 36 inches in circumference -another in the same neighbourhood, 323 inches. "These are the largest (says the Fincastle Editor)

A Raleigh Editor is unable to match it. He states that a Mr. Daniel J. Miller has raised one

Of the fruit furnished at a late public dinner in Roxbury, Mass. were apples, which were over 15 23 ounces each. A gentleman has filled a barrel They will certainly reward them handsomely for their trouble.

Mr L. S. D'Lyon has presented to the office of the Savannah Republican two ears of Indian corn, from the bottom before it had any limb, when it ex-panded to an immense size. The exact height of which, in the old maps of Sicily, always makes a the tree could not be accurately obtained, as the conspicuous figure. Mr. Brydone says he was rather

A Mr. James Rainey near the town of Milton, N. C., has deposited at its Post Office, a corn stalk,

September 12, 1826.

Mr. Campbell-I herewith send you a stalk of corn, which grew in my field on Hyco this season, with seven ears on it-If the ears are not rank and vegetable kingdom. There are many other trees in good like those seven ears on the stalk seen by Phathis vicinity, of extraordinary magnitude. Our autoah in his dream, they are, as you may see good, thor measured one which rose in a solid trunk to a sound, well filled grain. The length of the seven considerable height, that was not less than seven- ears, taken together, make three feet and five ty six feet in circumference at two feet from the inches. Though we do not with Pharoah's Interpreter, consider this as a sign for seven years of The Lexington (Ky.) Public Advertiser says, that plenty in our land, we certainly see in this prolific JAMES RAINEY.

Still the Charlottesville cucumber eclipses all the other vegetable curiosities of the season. One of In Lewis and Clark's Expedition, they saw pine them seems sufficient to feast a company of soldiers.

RURAL ECONOMY.

OBSERVATIONS ON BRICKMAKING.

Extracted from a Compendium of Modern Hasbandry, by James Malcolm, of London-2d edition.

Large quantities* of bricks are annually made in different parts of the county of Surrey, and parti-cularly near the metropolis. The manufacture has of late years become an object of revenue, and as such entitled to some consideration; the manufacture is besides of the utmost importance to the community, inasmuch as the value and comfort of our dwellings must depend in a great measure on the quality of the materials with which they are constructed, and bricks form no inconsiderable part of

* During the years 1821, '22 and '23 (on an average.)

† The duty paid to government is 5s. sterling, or

them, I say it is material, because if the bricks with tained on the sides and ends of houses for several which houses are now almost uniformly built, are in quality defective, and if the timber be of a similar will not rub off more than paint. There are va-

on the solidity of the edifice.

of its first operation, and as I think I have before shown that it is impossible that a house can be dry shown that it is impossible that a house can be dry if the bricks that are used are insufficiently burntsuch as the salmon bricks which I have before de scribed: therefore, a person about to construct a house, will do well to consider whether it will not be more advantageous to him in the end to make use of no other than the best hard, sound bricks, be their cost what it will; such bricks are easily known by their sound. It will also be found that besides the comfort and firmness of the building, describe the component parts of a flower, viz: they will be cheaper than salmon ones, when the expense of buttering the walls is taken into the proceeding from the main stem, and supporting the calculation; and the latter kind cannot fail of producing an almost perpetual moisture, and make a house damp and unhealthy at nearly all seasons.* I shall conclude my observations on this subject by remarking, that I do not think it worth my while to (who are building,) would study either their health or interest, they would hardly receive as a gift; in to interfere and prohibit the use of them entirely. be termed polypetalous. This would compel the makers either to be more careful when baking them, or place them a second time in the furnace.

[We cannot better meet the views of the writer of a petal, called the plate.

7. The limb, border, or upper broad spreading of the following than by the publication of his letter which is clear and explicit. We shall be much part of a monopetalous corolla. obliged by any gentleman who will communicate his knowledge on the points in question, as also, for same hints on the structure of icc-houses.]

Wieco Church, Va., October 20, 1826.

Not knowing who to eall on, that I could so likely procure the information required from, as yourself, I will take the liberty to solicit from you some information as to the advantages, if any, which gas oil has, when applied to the roofs of houses, over

The covering of our houses in this section of country, generally, is chesnut shingles; and it has been found that tar only, if without oil, is rather an injury than a benefit by causing the shingle to curl up, and, so far from penetrating into the shingle, it shortly washes off, and to mix oil sufficient with the tar to cause it to penetrate the covering, would ren-

der it too high.

I have been informed that a shingle dipped in gas oil will not blaze if thrown into the fire,—if this be true, it renders it valuable. I should be glad to One borrowed string to animate his lyre? know the cost of it per barrel, and your opinion of the advantages or disadvantages when applied to the roof of houses. I have found also in this section that there are more of the houses white-washed than painted; in some cases this wash will be re-

years without but little defect, and in some cases description, we ought not to place much dependence rious modes of preparing this white-wash, although all is made from oyster shells fresh burnt, and be- Priestess of Love! buw oft thou'rt left to mourn Bricks ought to be made of well tempered clay, fore slaked, some apply boiling water to the shells Man's perfidy-forsaken and forlorn. and one brick made of such takes up nearly as and salt, others cold water, alum, &c. If you are much earth as a brick and a quarter made in the in possession of information which would enable me common way; the latter of which are light, full of to fix upon a plan to make this white-wash to stand eracks and lumps, and springy, owing to the want and not peal off I shall feel myself much indebted of due working and management. The operation to impart it; together with any hint which you may of treading and tempering ought to be performed be pleased to drop as to the properties of the first more than doubly what is usual, because the good-mentioned article, gas oil, be pleased to excuse the ness of the bricks (next to being properly hurnt,) liberty I have taken, and to be assured if an opporin some measure depend upon the well performance tunity should occur it will afford me pleasure to

LADIES' DEPARTMENT.

FLOWERS.

[Ladies who take pleasure in the study of floriculture will do well to bear in mind the following explanation of the botanical terms which are used to

1. The peduncle, is the foot-stalk of a flower, corolla, as in the auricula, polyanthus, &c.

2. The calyx, or flower-cup, the part which guards and supports the corolla, as in the carnation.

pink, &c.

3. The corolla, the flower or blossom, properly waste time in refuting the sophistical and absurd so called, consisting of one or more petals. When reasoning of brick makers in general, in defence of this is entire, it is called monopetalous, or a corolla the ordinary kind, and which they make use of of one petal, as in the auricula and polyanthus; but merely to effect sales of an article which, if persons when it is divided quite to the base, into two or more parts, each part is called a petal; thus the tulip is said to have six petals; in double flowers they are deed I have often thought that government ought extremely numerous, and the corolla of such may

4. The petal, or single floral leaf.

5. The unguis, or lower, long, narrow part of a petal, called the base or claw.

6. The lumina, or upper, broad, spreading part

8. 'The tube, or lower, narrow, tubular part of the

9. The stamen, stamens, or stamina, if more than une, consists of two parts, viz: the filament, and the anther, or summit, which it supports.

10. The anther, contains the pollen, or farina.

11. The pericarpium, or seed-vessel.

12. Radix, the root.

[Florists Directory.

WOMAN.

"Daughter of God and Man."-MILTON. (From the Charleston City Gazette.)

There is a language of the heart That mocks all learning's studied art, There is an utterance of the soul That laughs at scholarship's control, Breathes forth in verse a living thought,

With feeling, love, and nature fraught; Woman's the theme; and who would c'er require

There is a witchery that lies Within the sunshine of her eyes, More potent than the magic spell Of talisman, or fairy dell, Who has not felt her very name Inspire his heart and thrill his frame! Idolatry! the frowning world may cry.

O who has ever in that hour

When woman's love and woman's power

Have twined their influence round his heart, Felt not that woman can impart By smile, or glance, or smothered sigh, A world of bliss and constancy.

There is a vigil in the sky That marks the villain's perjury: How can he hope to be forgiven Who breaks on earth his vow to Heaven? He wedded in this world may be, But hell like his inconstancy, Will echoing yell the oath that fires his breath. And brand it in the registry of death.

Pleasure's a poor and gaudy toy, A forgery on solid joy, A gilded chain that drags the slave Helpless and childless to the grave. The haunted Libertine who lies

Without one hand to close his eyes, Sighs to the passing breeze his dying groan Companiontess, unwedded and alone.

Man has a wandering heart-his soul Spurns fetters, slavery, and control: To day he climbs the snow-clad steep, To-morrow ploughs the foansy deep: And now he roams by mountain side, Without a friend, without a guide-

Till woman bids his wayward steps to cease, And turns his Arab thoughts to hume and peace.

Woman! companion of my life, Less loved when maiden than when wife: How fondly do I sing to thee, Of wedded love and constancy! Dear mother of my child, I trace Thy emblem in her artless face-I clasp the lisping babe, receive a kiss, And feel a father's love, a father's bliss.

Tis woman's voice, in accents low, That hushes first the infant's wo; 'Tis woman's fond, maternal arms, That shields her boy from vain alarms-Uprears him in a world of cares,

And saves him from its countless snarcs. Nurse of mankind! I fondly view in thee, The watchful guardian of our infancy.

Now would I woman's friendship sing-O, 'tis a pure undying thing! The dew that gems the blossom'd thorn Shines brightest in the sunny morn; But faithful woman can bestow

A light to gild the night of wo! Her love, like moonbeam on a stormy sea, Sheds o'er our cares its own serenity

I've found the world a faithless thing-Man's friendship weak and perishing, Man's friendship! 'Tis the ocean's spray-The froth that rude winds sweep away! You ask where constancy can rest? Go, find it in a woman's breast!

I would not give one fair, lov'd friend, I boast, For all the wealth of India's golden coast!

When pale disease, with all her train, Fevers the blood and fires the brain, "Tis woman's sympathetic art Quells the wild throbbings of the hearl: The mortal pang, the burning sigh, In nature's latest agony!

O, fair physician! thou art ever near, With oil and wine the drooping frame to cheer.

I ask not, on the bed of death, Proud man to watch my fleeting breath: Let woman's prayer embalm the hour, For O, it has a soothing power, To calm the awful struggle here, To brighten hope and banish fear-To raise new prospects of a land on high,

Where death is swallowed up in victory.

^{*} It is now pretty well ascertained, and almost generally believed by gentlemen of science, that the dry But who has loved nor felt the ecstacy. rot in houses, is occasioned by the moisture that is absorbed by the walls in damp weather, and gradually evaporated in dry.

SPORTING OLIO.



WASHINGTON RACES.

The fall races over the Washington course commenced on the 25th inst. Only two horses were entered. Four mile heats, for a purse of \$300.

The first heat was won, in handsome style, by Mr. Stevens' mare Janet, of New York; and at the second heat her opponent, Mr. Elliot's fine mare, Eliza White, of Virginia, was withdrawn. They are both first rate racers.

Second Day .- The race of yesterday was highly interesting. Four horses started for the purse; some of them were known to fame, and on one or the other of these, the majority of the betters made their calculations of success; but great was the disappointment. Sally Hope, whose name was unknown to the turf, withal too modest to inspire confidence or fear, offered herself amongst the competitors for the prize.

At the word "go," she took the lead, and was training in her rear, supposing the first heat would should show most speed and bottom in the follow-

ing beats.

At the tap of the drum, all four came up fresh to the second heat. Miss Hope again took the lead; she kept it the first round-every eye was directed to her competitors, confident that some one of them would make an effort to wrest the heat from so obscure a rival, and maintain their well-earned reputation. At this moment the gallant, or rather ungallant, young Fairfax, sprang forward and passed her. He kept the lead half a mile, when his fleet adversary shot ahead of him, and took the second heat also, to the surprise of every body and the dismay of the too knowing ones. The followiog is the order of the two heats:

Mr. Garrison's s. f. Sally Hope, . . 1 1 Mr. Badger's b. c. Trumpeter, . . . 3 2
Col. Sewell's h. c. Sin II. 4 dist.

weather was very fine and the course in good order. after his trees come to maturity,-he shall, by in-

The following is the result: Eliza White, by Sir Archy, . . Southern Eclipse, by Northampton, 2 dist. Afafanta, by Chance, 3 2 4 dist. Hickory, 5 dist.

and bottom of Southern Eclipse, to find him dis- generous response. taoced this day, the second heat; but we learn he was out of order, and that the rider was directed to lay back the second heat, under an idea that Atalanta would run for the heat-and the boy did so, but out of distance, which Atalanta only saved and year ending the 30th September last, there were favour. Very luxuriant white and black mulberry Eclipse lost by a length.

one between Sally Hope and Eliza White, and was that would greatly increase the amount of the

Eliza White second and Sally Hope near at hand. Time 4 min. 1 second.

The third heat (Sally Hope being withdrawn,) was a fine trial of speed between Eliza White and Fairfax, they passing and repassing each other alternately, but was gained by the former by a length. Time 4 minutes 8 seconds.

The fourth heat and the race was taken by Eliza White, who took the lead, Fairfax coming in about a length behind. In this heat both horses were much distressed by the mire and slippery state of the track; both, however, proving game to the last. Time, 4 min. 16 seconds. Few races were better calculated to test the toughness of the race horse, from the continued rain during the race, the heaviness of the course, and the number of heats.

MISCELLANEOUS.

DISCOVERY OF THE JESUITS' BARK.

An Indian in a delirious fever having been left by his companions by the side of a river as incurable in order to quench his thirst he drank plentifully of the water of the river, which having long imbibed permitted to keep it throughout, without being the virtues of the bark that floated on the stream, it pressed, her calculating adversaries moderately quickly dispersed the fever of the Indian. He requickly dispersed the fever of the Indian. He returned perfectly cured to his friends, and having exhaust her wind, and leave the victory to him who mentioned the manner in which he was cured, the should show most speed and bottom in the follow-afflicted thould be the holy stream. The afflicted tlocked in crowds to the holy stream. more intelligent of the tribe, however, discovered the reason of the medical virtue of the water. In 1640, the lady of the Viceroy of Peru was recovered from a dangerous fever by its use. In 1640, Cardinal de Luga and other Jesuits, spread the reputation of this medicine through Spain, Italy and Rome, and hence it obtained its name.

[Masonic Mirror.

SILK.

An elderly farmer from Connecticut told us the other day, that he had about five hundred mulberry trees then growing on his own farm-that he fed one hundred thousand worms, which produced about fifty pounds of silk annually. The whole business, of feeding the worms, &c., is performed by his danghters. But very little labour is required, Time of second heat, 3 minutes 52 seconds. The and he thinks that in the course of a few years,-Third Day .- Five horses were entered; the purse creasing the number of his worms in proportion to EDITORIAL CORRESPONDENCE. the quantity of feed supplied, produce yearly about three hundred pounds of the raw material. Thus giving his girls an opportunity of adding to the common stock of domestic comfort, and of providing a livelihood for themselves. We wish him success; and the heart of every friend to the increasing pros-The public were surprised, from the known speed perity of our domestic manufactures, will throb a effect. I have known them 4½ to 5 inches circum-

EXPORTS OF SAVANNAH.

The first heat was a very handsomely contested mate of which we have not been able to procure, dressed up for the purpose.

taken by the former by a neck; Fairfax trailing in year's exports. Contrasting the exports of the years under a hard pull. Time, 4 min. 6 seconds. 1825 and 1826, we find the difference in favour of 1825 and 1826, we find the difference in favour of The second heat was taken by Fairfax, with ease the latter year, fifty-two thousand eight hundred and eighty-three bales of Cotton, four thousand two hundred and twenty tierces of Rice, and one hundred and fifty-six hogsheads of Tobacco.

RECIPES.

PERMANENT INK FOR MARKING LINEN.

Take of lunar caustic (now called argentum nitratum,) one drachm; weak solution, or tincture of galls, two drachms. The cloth must be first westerl with the following liquid, viz. salt of tartar, one ounce; water, one ounce and a half; and must be perfectly dry before any attempt is made to write

FOR SULPHURING WOOL, SILKS, STRAW BONNETS, &c.

Put into a chaffing dish some lighted charcual; put this chaffing dish into a small close room, without a chimney, or into a closet or large box; then pound an ounce or two of brimstone, and strew it on the hot coals. Hang up the article you would have bleached, make your door fast, and let them hang three hours or all night, if you have time. This is what is called dry bleaching wooliens; all fine coloured woollens should be sulphured in this way pre-viously to their being dyed. Straw bonnets are likewise bleached in the same manner.

METHOD OF TAKING OUT THE SPOTS OF PAINT, OR OTHER SOLID SUBSTANCES, FROM CLOTH, SILKS,

Supposing a small quantity of paint had dropped on a coat, a pen should be dipped in spirit of turpentine, and its contents should be dropped on the paint spot, in a quantity sufficient to discharge the oil and gluten that is mixed with the paint. Then let it rest several hours, that it may penetrate and suck up the oil: and when it has done this, take the cloth between your hands, and rub it; the paint spot will then crumble away like dried earth. turpentine will by no means injure either the cloth

If, however, the spots be numerous, the best way is to apply the spirit of turpentine over the silk, &c., with a sponge, as soon as possible after the oil or paint, &c., has been spilt upon it, and before it is become dry: by these means it may in general be completely washed out.

SILK, STRAWBERRIES, &C.

Extract to the Editor-Eastville, 6th Oct. 1826.

I can procure the large strawberries for you, and have given directions to my uncle's gardener to that ference. I thank you for the squash seed, and shall take especial care of them.

A few of my neighbouring friends are determined to set about raising silk worms, and if you can By the table of exports, it appears that for the furnish us with some of the eggs it will be a great shipped from the port of Savannah, one hundred and trees are to be found abundantly throughout the Fourth Day.—The sweepstakes of Saturday pro-eighty four thousand, two hundred thirty eight bales two counties; so that what appears to be the chief duced a protracted and interesting contest between of Upland Cotton, and six thousand three hundred difficulty is, with us, already surmounted. We also the three fine horses that started. These were and forty bales of Sea Island—making one hundred and seventy-eight ment. I understand that where it is carried on expreceding days,) and Fairfax. Four heats (of two bales Also, eleven thousand four hundred and seventy hids. ed, and furnished unusual gratification to the lovers of Tobacco. The whole valued, at the present devands of the turf, notwithstanding the very unfavourable pressed prices, will amount to six millions eight hunstand that where it is carried on expression of the turf, notwithstanding the very unfavourable pressed prices, will amount to six millions eight hunstand that where it is carried on expression of the turf, notwithstanding the very unfavourable pressed prices, will amount to six millions eight hunstand that where it is carried on expression of the turf, notwithstanding the very unfavourable pressed prices, will amount to six millions eight hunstand that where it is carried on expression of the turf, notwithstanding the very unfavourable pressed prices, will amount to six millions eight hunstand that where it is carried on expression of the fixtures, for their accommodation. A plate representing this would be highly satisfactory, and would be a valuable article for the "Farmer." Surestate of the weather, and consequent heaviness of dred thousand doliars. To this may be added Lumber where the satisfactory and their whole articles expressed an estimation of the French and Italian works, which could be ber and other valuable articles exported, an esti- of the French and Italian works, which could be

F. H. SMITH. Respectfully, &c.

Extract to the Editor-dated Monticello, Georgia, 12th October, 1826.

We should be profited in this part of the country by a description of the most common and useful ice-house, such as would most certainly secure ice in this climate. Your ideas, or those of some experienced person upon that subject, would be thankfully received.

Since the decline in the price of cotton, the citizens here are entering largely into the spirit of breeding horses; so much so, that I am confident some good blooded stallions would sell well, and be profitable here; we should be pleased to get some

such horses amongst us.

Crops of cotton and grain have been very much injured by the dry weather in Georgia, and it is believed that great economy must be used by our citizens to prevent distress from the scarcity of grain. They are seeding large wheat crops to make up the deficiency in the corn crops. The white flint wheat which you forwarded me last year, was somewhat injured by the fly, and it was sown too late to make a good crop in this climate. I have just seeded does well I will give you the result

Yours, very respectfully,

REUBEN C. SHORTER.

FARMIDE.

BALTIMORE, FRIDAY, NOVEMBER 3, 1826.

The Trustees of the Maryland Agricultural Society are reminded that their next session is ap puinted for Thursday next, at Lexington, the resi

dence of D. Williamson, jr.

The agricultural publick have been respectfully invited to consider the scheme of premiums published some weeks past in the American Farmer, to make through the Corresponding Secretary sugges fions as to any modification of that scheme, which may be thought expedient—as it it is yet to be acted upon by the Board. As not a single hint has been given, it is hoped that we shall have no faultfinding about the appropriation of the Society's the good of the cause.

By Captain Macy, a personal acquaintance and friend of General LAFAYETTE, who will sail from New York for France on the 5th of December, the Editor of the American Farmer intends sending wild turkies, American rabbits and partridges, South American Powers, (brought and presented by Mr. Keener, of Baltimore,) and other articles indige nous to our country. He wishes to add the varieties of *Indian corn*—that is, ears of that grain remarkable for coluur, texture and size whether large or small. The same attempt was made last year, but so late that the collection was too small to be sent. As the season is now at hand for husking, if the papers will copy this paragraph, it is probable the opportunity of grafting and hudding from bea that specimers of a single ear or two, of twenty varieties of corn, might be selected within the time mentioned.

23-The Editor of the American Farmer requests to be supplied with some eggs of the silk worm for distribution amongst some friends, who propose to make experiments to demonstrate the practicability make experiments to demonstrate the practicability from Sinclair's Code of Agriculture—Essay on Hom of the profit to be derived from the employment of Markets for Agricultural productions and Raw Mat labour and capital in that branch of industry.

N. B. He has an extensive collection of Italian works on agriculture, collected in Italy, and presentcontain valuable hints, perhaps ample instructions, dence-Editorial.

on the culture of the mulberry, the rearing of the silk worm, and the manufacture of silk. To any gentleman qualified to search them with that view, and feeling sufficient concern on the subject to make translations for the public henefit, we shall be happy to loan them for that object.

& -- AMERICAN ECLIPSE." -- An opportunity is now offered to the breeders of fine horses to procure the stock of this very justly celebrated horse. He

has arrived here from the north at the earnest solicitation of some few amateurs of the turf, and will remain, for two months only, at the stable of Martin Putter, three miles from town, on the Philadelphia road. Persons intending to avail themselves of the services of this horse must make immediate application as the number of mares is limited tu twenty, and already upwards of half that number are engaged.

Apply at the office of the American Farmer.

#5-The sports of the turf were, perhaps, never encouraged with more animation in Virginia than at this time. For the spring races at Richmond. six horses are already entered. On the superiority about forty acres with that kind of wheat, and if it of each of these, the owners confide so fully, as to have thrown, every one, into a common purse, the sum of \$500, making, besides the regular purse, the sum of \$3000-and it may be, that before the day arrives, as many more will be entered.

> ₹Fhe Hon. S. VAN RENNSELLAER, the chair man of the agricultural committee-the rare man who, with an immense fortune, is devoid alike o avarice and ostentation; has consented to serve again in Congress, if elected. But in such a case there can be no if? he will be elected by acclama

& AN EXTENSIVE NURSERY. - Messrs. Sinclair 8 Moore, who took at the fast Maryland cattle show the premium offered for the best cultivated orchard have informed us that they have faid the foundation for an extensive nursery, as "a useful branch o their agricultural repository." They inform us, tha "since the establishment of our seed store, we have been constantly applied to for fruit trees also. I consequence, last spring was a year we commence The Trustees can have nothing in view but owned by Joseph Townsend and others, which w purchased, and which at once put us in possessio of a prime collection of fruit trees, ready grafte and budded, and stocks to graft on, from which, we have a tolerable season, we may expect abou 5000 trees ready to deliver this fill, and ten thousan more grafted, and growing this spring, among which are apple, peach, pear, apricot, plum, and cherr trees; so that we expect, from present appearance soon to have a very extensive nursery of fruit trees and worthy of the public patronage; and as we hav during the last twenty years been taking pains to collect the best of fruit from New York, New Je sey, Pennsylvania, Richard Cromwell, &c, many which have long since been in full bearing, we have ing trees, thereby avoiding mistakes-and having professed hand at the business, we have no dou but we shall give general satisfaction."

CONTENTS OF THIS NUMBER.

The Art of Breeding, letter by J. H. Powel, with no rials, continued-Worcester Cattle Show-Providen Cattle Show-Caution to Farmers-New and Valuab Grass-Large Trees, and Large Vegetables-On Brid making-Inquiry respecting Gas Oil and Ice housesed to him by the gallant Commodore Jacob Jones, on his return from his command of our squadron ington Races—Discovery of Jesuits' Bark—Silk—Exports of Savannah—Recipes—Editorial Correspondents

PRICES CURRENT

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Printed every Friday, at \$5 per annum, for JOHN S. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

HOME MARKETS-AGRICULTURAL PRO-DUCTIONS AND RAW MATERIALS.

(From the Memoirs of the Board of Agriculture of the State of New York.)

A Memoir on the expediency and practicability of improving or creating Home Markets for the sale of Agricultural Productions and Raw Materials, by the introduction or growth of Artizans and Manufacturers-by George Tibbits, of Rensselaer

Read before the Board of Agriculture of the State of New York, March 8, 1825.

(Continued from p. 260.)

The question, as it relates to this country is, shall we profit from the example of England? That we may do it under advantages and prospects altoge ther more favourable, and to greater effect than England ever did, is most certain. To arrive at the same point of elevation, and that comparatively soon, we have only to adopt the measures which England did, and to avoid her unnecessary wars.

Great Britain, had she adopted her present course of measures at an earlier day, in relation to her manufactures and trade, and avoided unnecessary wars, might probably have attained to her present elevated condition, in any one of the centuries since the

thirteenth.

It is maintained that our population is not sufficiently numerous, to commence manufacturing; that we have not the hands to spare from other more profitable and healthful employments; that if we had, this surplus population would take to manufactures as a matter of course.

It may be remarked that this objection is usually made, wherever manufactures are not extensively carried on. It was so in some of the old countries. It is so at this time in Poland; in this and many other countries, and will probably be so in every

country.

The labourers of this country are mostly confined to the land, from which many might he beneficially withdrawn; for they are earning but very little there. But they have not the necessiry know ledge of any other calling; and those who have grown old in labours upon the land, cannot easily be learnt a new trade: nor is it believed to be necessary or desirable that they should be Manufactures, if they can find protection, will be carried already learned, from the countries iron which we have obtained our manufactured articles, or be and wealth of the old settled states will be augmented by retaining them, and giving them oppor

In our rage for growing bread-stuffs and provi-

furnished a cheap and expeditious means of getting tories of woollen and cotton goods would have been of one foreign country to that of another. After out of it: and we may calculate that this means of in operation, with probably many others; the prices, all these several branches of business are overdone, getting out of the state into others, or into Canada, like those of course cotton cloths, would at this then emigration and the establishment of foreign will be improved to a very great extent, by many, time have been as low, or lower, than the imported; colonies commences internal commerce being inciwho find themselves without employments affording there would then have been a few articles, upon some prospect of profit, and the cauals thereby, and which the farmer could have relied for money to to that extent, become a mean of lessening, instead pay his taxes and other demands. of augmenting our numbers, as was expected.

in them, might not have been in existence.

and the cloths sent back to England, in exchange drudge on in the old track, in poverty. for more wool. The population of England has, no doubt, been vastly enlarged, by changing this policy. Retaining her wool, and refusing to receive are powerful a illiaries to each other, and to the cloths from abroad, the artizans of Flanders had pursuits of scie 'e generally. less to do; but it made room, and gave employment for artizans in England; to which the artizans of or growth within the country, of a population for Flanders, and other parts of the continent, found the purpose of converting raw materials into manutheir way; or they were soon grown in England to factured articles, and making home markets for the the required number. By adopting the same policy here, we shall find that a like cause will produce the same effect in this country. This change in the objected to, on the ground of policy; and the writers policy of England may have occasioned some dissatisfaction at first. The persons by whose agency the former intercourse had been conducted, may have apprehended the loss of their business, and the gentry may have been dissatisfied at paying, for a short time, enhanced prices for less fashionable England, and the acts of the English government goods; but it raised England to an elevation in are in accordance with the theories of these gentlecountry, until manufactures are commenced in that wealth, strength, political and civil consideration, to men-that the English are doing away their protecwhich she never could have attained, without that tion to manufactures and trade, as far, and as fast change in her policy. She soon found that her as practicable—that they have finally become connumber of people; her internal and external trade; vinced that their protections, by way of prohibithe style of cultivating and rent of her land; and, tions, beanties and duties, have been of more injury above all, the revenue derived from her importa- than benefit to them-that their manufactures and tions from abroad, were greatly increased and en-trade have arrived to their unexampled state of larged, and is still found to go on increasing. She prosperity, not by the aid, but in despite of these had to grope her way to wealth and eminence, with-regulations. The books of these gentlemen are in out the aid of the numerous precedents and exam-ples which, by the history of her rise, and that of very briefly to state their leading theories, and to on, and supplied with hands, who wil come to us other countries, are now afforded to us. She made inquire how far the allegations, that England has some errors in her progress, which, by these lights, become sick of her protections and restraints, is we may avoid. It is worthy of remark, however, founded in fact. 'To do this, however, within any made from the younger and growing population that her statesmen never for a moment thought of thing like reasonable bounds, but little more can be of this country. By giving to the younger and following the plausible theories of the Adam Smiths said than to state facts and refer to authorities.

growing population, business at home, we shall pre- and M. Says, of the day. They looked to the pracgrowing population, business at home, we shall pre-vent them from strolling into Canada or Michigan, tical operations and results of measures. When in search of new places of residence; and the strength they found them prejudicial, they changed them; man from the savage to the most civilized state. and left the speculations of these gentlemen to be That men at first subsist by hunting, fishing, and on studied and followed by us, and such other nations natural productions, without labour: from that state tunities, as artizans, of obtaining comfortable liv- as thought proper to follow them, to the benefit of they pass to that of shepherds or herdsmen; from England, and to their own individual ruin.

Had the double duties imposed during the late sions for foreign markets, about all the lands in this war, remained upon such articles as we had com-

But it is believed that hands could easily be ob-states with negro cloths, in exchange for their cot-ject, over that of the foreigner; but that all, as well

tained without difficulty or prejudice to any other ton, it would have afforded some relief to the farbranch of business. They would, like all other apprentices, the most of them be unlearned, it is adsisons required for their manufacture, and placed We did not feel the loss of the hands, nor them nearer on a level with their brethren the of the capital, which was drawn into the cotton cotton-growers. But, withdrawing the shield of manufactories. Hands, employed as manufacturers, government in those double duties, and thereby are not of the description of labourers deemed most placing our new beginners in competition with the profitable at out-door work. Seven tenths of the larger capitals and better learned artizans of Enghands employed in our cotton mills, would have land, they were broken down. For want of such earned little or nothing, but at some such employ-protection, as shall inspire full confidence in the ment. It may be furthermore remarked, that at the manufacture of woollen cloths, another defeat of commencement of manufactures in most countries, the wool-growing business may be apprehended. there is a seeming want of hands; but if manufac- England having the artizans for converting foreign tories had not been established, the hands employed wool into articles of the most approved fashion, has thereby the ans of throwing foreign wool into By establishing manufactories, you enable the our markets, to the exclusion of our own, in a hands required to work them, to accumulate to an shape so acceptable to the tastes of our people, as extent which they never could have done but for to insure its being taken in preference to that raised their establishment. The population of England here: and the same may be said of many other armust have remained vastly less, and that of Flan-ticles. The farmer is, moreover, for want of that ders, much greater, had England been content to protection and encouragement to the required artihave continued her former practice of sending her zans, deprived of many, and the most profitable apwool to Flanders, there to be worked into cloths, plications of his land and labour, and compelled to

> The mechanic arts are not only the band-maids of agriculture, and its principal support, but they

Encouragement to the introduction from abroad. consumption of agricultural productions; and this by duties or prohibitions on foreign goods, is further hefore mentioned, Smith and M. Say, are cited as authorities. It is maintained by foreign commercial agents in this country-by our importing merchants

that to the division and cultivation of land: after which, manufactures are commenced as a distinct profession. When the cultivation of the land and state, of a good quality, with much of the poorer manufacture, the slaughter which took manufactures are filled with capital and labour to grades, have been settled. The canada which have, place among the sheep in 1818-19, and '20, would overflowing, the next branch of business to be taken to an incalculable extent, advanced the general never have happened. Our hills at this time would up is that of external commerce, with navigation. wealth of the state, have, with the benefits conferred, have been covered with sheep; extensive manufac- The next in succession, is carrying the productions one branch of business over that of another. nor to the

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can dearest, without duties or impediments.*

The English nation, with some temporary exceptions, practised for a long time in the early part of making for our markets, and which, with their other cultural productions. In fine, we may make up our their history, nearly upon these principles; giving manufactures, we have continued to take from minds to remain forever poor; with our lands badly sometimes to the stranger, and sometimes to the subject, the advantage; and, like all other nations take in payment, they have withdrawn from us a who still continue that practice, were poor; depending upon foreigners for manufactured articles, and tances for these articles. But to return.

Anderson's History of Commerce, in 6 volumes; for markets for their raw materials. Their numbers were comparatively few; their lands were badly cultivated, and unproductive; their foreign commerce and revenue from duties on imported articles, insignificant. But the English, disregarding theories like those just mentioned, changed this policy .-From time to time, prohibited positively or virtually, by high duties, one list of manufactured arti-cles after another, until about the whole of them were virtually excluded. They put in operation their celebrated navigation act; protected their manufactures, shipping interest and trade, from the interference of foreigners; and thereby drew into, or grew up in their country, their existing overpowering stock of artizans and seamen; made good and certain home markets for all their raw materials and agricultural productions and raised their revenue, shipping, mercantile and landed interests, far above that of any other country.

It is somewhat remarkable that our first Congress

disregarded the order of time, in which the several professions should naturally, according to the foregoing theories, rise and succeed each other. They passed over manufactures, with but a slight notice in the preamble of a bill, and determined that the country, whether it had any thing else or not, should have a competent stock of ships and seamen; and to that end, and looking to foreign countries for markets for agricultural productions, and for a sup-

state of prosperity.

As the fact of protection to the shipping interest of this country is notorious, and only incidentally mentioned here, it is not deemed necessary to cite all the particular incidents in which, to maintain its just our Indian meal and flour in their own ships, to mit them to be taken, to be transported in the ships of the two nations, without preference to either. or the other, and whether taken in one or the other, it was immaterial to the landed interest; but pend ing the dispute, these articles remained on hand, and fell below any former price since the revolution. England, in the course of the dispute, granted permission to our vessels to take them to Eng-

McPherson's Annals of Commerce; Holt's Adminis tration of the affairs of Great Britain and Ireland, and Howe's Present State of England, are referred to. the British government to the manufactures and venue of that country, and in support of the policy which it is advisable for this country to adopt.

regulations of trade, prohibitions and duties at, and productions. for some time before the year 1819. In that year, very extensive modifications of duties and prohibito on the ground that Congress is not authorized tions were made. These, with subsequent altera-by the constitution to give that protection, by intions, and amounting altogether, nearly to an entire creased duties or prohibitions, nor to cherish and new code, have been procured by our Secretary of elevate one branch, where that elevation or protec-State, and reported to Congress at its present session, and officially published. They occupy 287 octavo pages, and shew what the English regula-ping and importing branches, already established, tions of trade are, to a late period. It becomes im- and in successful prosecution. practicable to state the particular provisions, but they show most conclusively, that there is no dispo-sition existing in the British government towards relaxation; but, on the contrary, a most cautious exercised them for every purpose, deemed necessaand rigid attention to maintain her system is evinced. The number of articles permitted to be imported, has been increased, but every manufactured collect taxes, and to establish imposts; to regulate ply of manufactured articles, gave to the shipping article, of which there are a few, is subjected to the trade with foreign powers, among the several interest a powerful protection, which, with favourable incidental circumstances, raised it to its present nearly nominal. (See Note B.) No person, after tant function conferred upon Congress, is, "to proexamining this document, can pretend that there vide for the public defence, and for the general welexists the smallest appearance of relaxation in the fare." British government, and will attribute the fallacious representation of a disposition to do so, to the cupidity of British commercial agents in this country, rights, the landed interest has suffered. The distor to self interested motives in other persons. That pute, however, with England, whether the ships of there are, however, in England and elsewhere, many this country should, on equal terms with their own, persons of the opinion that the time has arrived when transport plaster from, and rye and Indian corn to it would be good policy in England, to do away those Nova Scotia; and rum and molasses from, and corn, restrictions and protections, there is no doubt; and to flour, and lumber to the West Indies, was mainly open a free unrestrained trade with every other nathe cause of the extreme depression of flour, to the tion who would in like manner take away all reyears 1820 and '21 England was willing to take straints, protections and preferences, and open an unrestrained free trade with her. Protections to leed their negroes and fishermen, but not if taken manufactures and trade could, to all appearance, be feed their negroes and fishermen, but not if taken manufactures and trade could, to an appearance, be in ours. Congress, to maintain the just rights of better dispensed with by England, than by any our shipping, refused to let these articles be taken out of the country, if to be transported in English ships exclusively, to their provinces; but would permit them to be taken, to be transported in the ships she derives from having domesticated and combinate the state of the country of the country. ed within the nation, all the arts, with ablest arti-The articles could not be sold unless taken in one zans in abundance, and with the best tools, laboursaving machines, and fixtures adapted to every purpose, in every known art, and manufacture, that it would seem to be evident, that she has nothing to fear in her own markets, from the artizans and manufacturers of any other people.

Nations, who like us, have not the necessary land, there to be warchoused, until their vessels knowledge of the arts for manufacturing, nor the artizans; to obtain them, must do as England did; that is, give them substantial and efficient protection; but when once obtained, the nation who possesses them, may remain fearless of competition. But it may possibly be the case, that England, before long, will come out with a proposition, to admit our bread stuffs and provisions, our lumber, and every of Europe, their present ascendancy, and which are thing which we may think proper to send her, on condition that we continue to take her manufactured that to 150.

The West India and Nova Scotia dispute, terminated in an accommodation of this kind, in relation to the shipping of the respective countries. But it should be recollected, that navigation forms but a single item: our people had become thoroughly acquainted with the art, and largely extended in it. before the accommodation took place. It is not so for the particular incidents of protection granted by with manufactures: most of them are not understood; and who ever calculates upon their rise for a trade of that country, from the 11th century to the long time, without powerful protection, will be dispresent time, and for the improvements and bene-appointed. But the farming interest, who constifits derived thereby, to the landed interests and re- tute a great majority in this country, have only to say the word, and their representatives in Congress will adopt measures, which shall soon give them Polic's British Customs, will shew what were the manufactories and safe home markets for all their

Protection to manufactures, is further objected

To these objections, it may be replied, that, whether the powers in question have, or have not been delegated to Congress, that body have uniformly ry in promoting the public welfare. The power has unquestionably been given to Congress, "to lay and

NOTEB .- By the British corn law of 1815, wheat was not llowed to be imported, when the average price washelow 80s. sterling per quarter of 8 Winchester bullels, or \$2.22 cents per bushel. The law of 1815 ha been repealed, and wheat may now be imported when the average price shall be 70s. per quarter, subject to the payment of a duty of 17s. per quarter, for the first 3 months; after that, to 12s.

Wheat is almitted from Canada when the average price is 59, subject to the same duties as fo-

reign corn.

Before 1819, according to Pope's British Customs, woollen cloths were permitted to be imported on the payment of the permanent duties of 1.1 14 shillings, equal to \$7.55 cents per yard, for cloths of all descriptions:-to which had been added, during the late war, one-third, 81.

By the tariff of 1819, they are allowed to be imported, on payment of 50 per cent. duty, on the

market value.

Articles made of leather before 1819, were admitted on the payment of 1422 per cent. duty:-after 1819, they were admitted on payment of 75 per cent. duties.

By the tariff of 1819, or present tariff, linens are admitted-

Plain linen, on payment of duties 1.76 13 14 on every 1100 of market value.

If checked, dyed or striped, on every 1.100 of the

market value, 1.172 10. Sail cloth or duck, 1.5 07 4, equal to \$23.85 cents, to 1.9.07, equal to \$40.30 cents for 120 ells.

Of the few manufactured articles admitted, the duties are rarely less than 50 per cent., and from

citizens as foreigners, should possess equal rights, and found it convenient to take them to the West In- articles in return. If so, and the proposition should purchase where they can cheapest, and sell where they dies; but would not suffer that part of the flour be accepted by our government, it ought to be lookwhich soured in their warehouses, to be used as cd upon as a great calamity. We may then abansizing for the muslins and calicoes which they were don all hopes of an efficient home market for agrithem, until, having nothing else which they would tilled, and revenue from duties small.

^{*} The maxims of those writers allow of some very few exceptions to this rule; but they are so limited and qualified, as not to alter the general principle. theories, in other respects, are not complained of; but in this, they are in direct opposition to the policy which has given to the manufacturing and commercial nations indispensable to the prosperity of this country.

Cotton goods, of which there are some not prohibited, pay duties of from 50 to 75 per cent.

Of earthenware, there are some kinds not prohi bited, pay duties of 75 per cent.

Glass plates, 80 per cent.

Hides, tanned or tawed, 75 per cent.

Paintings on glass; S0 per cent. exclusive of excise, 1.6 06.

But these duties must be merely nominal, because no person would think of sending manufactured articles to England, even if there were no duties charged on them.

On the few articles which are, or can be sent to

existing duties are enormous:

or 40 per cent. \$2.48 cents per cwt. Barrel staves, per 1000, \$16.33 68 66 Hogshead staves, " 88 90 Pipe staves, 44.44

Tobacco, 4s. sterling per lb., equal to 83 cents per lb. or t400 per cent.

Bacon or hams, 12 16 sterling, or \$12.43 per ewt. Butter, per cwt. l. 1 05, or \$5.55 per cwt.

The sterling is stated in dollars and cents, as this denomination, being our own currency, is easier ap-

did not acceed to the claims of Congress in behalf of our shipping, until June, 1822. In the mean time, their West India provinces, and the farmers of this country suffered severely. Wheat fell to 70 cents per bushel in 1821. The loss in this and many other articles, to the landed interest, was immense. Congress is, notwithstanding, entitled to the highest commendation for protecting and defending the rights of the shipping interest, let the loss or the cost of that protection affect whoever it might: and it is to be lamented that Congress delay extending a like protection to the farming interest, through the medium of manufactures. Losses of this kind are only temporary. To have submitted, would have been as degrading as was the pro position to suspend the non-intercourse law in 1812, so far as to admit of the importation from England of blankets and trinkets, for the purpose of pacifying or propitiating the Indians. It is, noreover, remarkable, that the abandonment of this monopoly, sufferings of their Provinces, and conceded with so ill a grace, has been extolled and trompetted through this country by her agents and satellites, as evidence of a liberal disposition in the British government to abandon their prohibitory system alto-(To be continued.) gether.

YOLK-AGAIN.

MR. SRINNER,

every opinion as to the effect of yolk upon wool, must be from the nature of the subject speculative,

opposed, not by the explanation of any difficulties ram, or ewe, on account of any other quality than suggested, but by authority: truth is not always best the fineness of the fleece." To this may be attributed discovered by a reliance upon authority, on the con- the rapid improvement of his flock. He sometimes trary, that species of argument is always to be re-indulged his imagination, as will be admitted, when ceived with caution; we should examine it closely, he fabricated the "idle tale" above, quoted from and scrutinize well the author's means of information. Luccock, "ascribing to his favourite race excellence the accuracy of his facts, and the consistency of his which the wool-stapler had not discovered in the positions and arguments. Mr. Luccock, who has pursuit of truth;" and also, when he said that "the written more on the properties of yolk than any other, fourth cross equals in fineness that of Spain, but on this subject; that he had not even seen a merino the man who squealed more like a pig, than the pig England, from the middle or northern states, their tlock. I am thought to have misunderstood him, itself did, that notwithstanding the grave rebukes particular causes, which operate directly upon the when he tells us. that "ordinary sheep naturally diffidence, for although it be a subject completely of his total want of close observation and experisupported theories are idle and delusive, truth and undertook to write about. I will not protract this candor compel us to acknowledge that we are to-letter by a further examination of the authorities was about to discuss. If any thing more be necessary, hear him further: "Should these pages," adds he, "fall into the hands of a professed grazier, we commit them to his candour, and solicit informa-tion." This point being settled, the next inquiry is, had Mr. L. ever seen merino sheep? "He," says produce, which are said to afford a staple equally fine from every part of their body." My inference, troverted; let us examine the evidence. Luccock does not speak of any other race of sheep possessing the above remarkable properties, but he does speak of merinoes as having this quality. Page 108, he observes: "There are fleeces, we are told, so uni-

being regarded as your correspondent's best authori-that by one dip more of the Spaniard, the entire proty, has been subjected to those tests—and it was at-touc was considerably coarser than that of the former tempted to be shewn that he was without experience generation." This story so much resembles that of and made an erroncous inference; let Mr. L. speak of my friend, I cannot treat it seriously; such exfor inc. In approaching his discussion of the pro-perties of yolk, he says: "In order to have a com-weaken the Doctor's authority on speculative matplete view of this subject, it will be necessary to ters. Another authority is Sir George McKenzie, apply ourselves to the consideration of those more who has compiled some useful hints on sheep; but flecce; in attempting this, we feel more than usual shed their wool annually," I want no other evidence experimental, and in connection with which all un- ence on the simplest properties of the animal he tally unacquainted even with the rudiments of farm- The correspondence given with Mr. Caldwell, has Note C.—See the acts of Congress of 18th of ing, confined almost entirely within the precincts of furnished ground for my argument. The inquiry pril 1818 and 15th of May 1820. The British commerce, rural concurrence reach us only by report." put to Mr. C. is, whether he had "not found the Note C.—See the acts of Congress of 18th of Note Commerce, rural concurrence reach us only by report." put to Mr. C. is, whether he had "not found the April, 1818, and 15th of May, 1820. The British What more can be desired to prove that Mr. L. had finest fleeces generally contain the most yolk." not the experience necessary to decide the point he Now, if it be the fact, that the most yolk is only generally found in the finest fleeces, then it is surely more prudent for one about to select a flock, to examine the wool, than rely on the yolk as a guide, which is nearly all I have insisted upon. To this question, Mr. Caldwell replies "generally in the affirmative," but adds, that he has "known exceptions he, "had not seen any of those animals or their to this general rule in sheep, that appeared to have a peculiar secretion and concretion of yolk." It should be observed, that when there are only slight shades that L. alluded to merinoes in this remark, is con- of difference in the quantity of yolk, and also in the quality of the wool, it is extremely difficult to determine their respective and relative proportions and qualities; hence, nothing would be more easy than for a pretty close observer, with the aid of a little prejudice, to deceive himself; none but sheepformly alike through the whole extent, that persons shearers, who are good judges of wool, could preaccustomed to observe wool, and even manufactur-ers, have not been able to distinguish any difference might not always agree. There are, however, some wrung from the British government by the severest in the fineness of the pile; when staples, separated few sheep in must flocks which have a very copious from different parts of the sheep, have been pre-secretion of yolk, easily discerned by their very sented to them, if any discrimination was made, dark exterior, resembling a coat of tar and dirt. they have sometimes pronounced that to be best These are no doubt the sheep which Mr. C. consiwhich grew most remote from the vitals; such is the ders as having "a peculiar secretion," &c., and as exdescription which Dr. Parry gives us of his new ceptions to his general rule. It is there specifically adbreed of sheep, obtained by combining the blood of mitted, by that intelligent breeder, that those sheep the Spanish, with that of the Ryeland race." It is which have the most copious secretion of yolk, obvious, that Mr. L. had not seen Dr. Parry's sheep, have not the finest wool, or at least, that they have then the principal merino flock in England, and the not generally the finest wool; if he meant the forinference is fair, that he had not seen the pure me-mer, he admits more, and if only the latter, quite as rinocs which had a reputation with every body but much as I have contended for. Mr. C's evidence The reader will understand we contend—1. That the Doctor, equal, at least, to his mixed race. Mr. goes, therefore, to prove that those merino sheep L. further adds, that he had "never yet met with a which do not secrete yolk very copiously, have genesingle instance in which a lock, shorn from the but- rully the finest fleeces where the most yolk is to be that the modus operandi of nature in producing and tocks, was not GREATLY COARSER than another taken found, and that thuse which have "a peculiar secredisposing of this secretion, has not been explained; from the shoulder." This is not the fact with good it is therefore not known what effect it has upon the merinoes; although there is a difference, yet a can quality of wool, or whether it may not have been did writer would not describe it by calling it a generally the finest fleeces, nature makes a new law designed for some different purpose. 2. That the GREAT DIFFERENCE. Again, I infer more strongly, for such! The reader must perceive, that this disfinest fleeces have not uniformly the most yolk, and that he was unacquainted with the merino race, cussion is now narrowed down to the smallest imatherefore, the quantity of yolk is not to be relied from his having not given them a place in his list ginable point; every thing I have contended for is upon as a guide in the selection of a merino flock; of the different species of sheep; they are not even given up, except a mere speculative fact, standing in some few breeders may still retain the old opinions on amed in his elaborate work, except incidentally, opposition to an experimental fact, conceded by my on this subject, and others, wishing to embark in merino breeding, and relying upon that erroneous reader must be satisfied that I have not perverted accused of a felo de se." To sustain this accusarule, may be disappointed in the selection of their the meaning of a paragraph to sustain a position, tion, he is made to say, by inference, that yolk is not flocks. These considerations alone, induced me to as your correspondent supposes. The next authority, in point of weight, is Dr. Parry, and whatever is erroneous. I have no where said any thing from that it would, and, I hope it has not been considered speculative opinions he may have entertained about which it could be drawn; on the contrary, I have disrespectful to any one. The first position above the properties of yolk, he distinctly says, in one of called them "the only race in which an exuberance stated, has not been controverted; the next has been his papers, that he had "never selected a breeding of yolk is found." I have, moreover, specially guardtinctly, that I spoke of Merinos as individuals, not as a species. To infer that I had said what I did We are glad to see that of not say, and which, if I had said, I would rather have citizen, Thomas Maund, who has had the good fordeserved oblivious neglect than replication; and tune to exchange the editorial desk for the more then to prove by a quotation from my paper that wholesome and grateful toils of the field, bore off them fit for cultivation, we are inclined to believe the imputed statement was erroneous—is to raise the premium for the best Merino ram.] up a man of straw, and then cut off his head.

Another charge of inconsistency as to the characteristic marks of fine woolled sheep, is somewhat of the same character. It was remarked, that the blooded horse is distinguished by certain marks which good judges cannot mistake; hence I am inconsistent in considering "fineness and uniformity as the most essential ingredient in the value of a fleece," and in rejecting other marks, such as yolk, dewlaps, and woolly heads. There is a want of precision, either in my expressions or in Mr. C's conception of them. I spoke of the blooded horse as a species, and as observed before of merinoes, as individuals; the former in comparison with other species, the latter in comparison with others of the same species. A good judge will distinguish a blooded horse from other species, or varieties of the horse; but he cannot distinguish, by any specific marks of the race, that horse which can run the swiftest or hold out the longest: nothing but his trial on the course can prove these qualities So may almost any person distinguish a merino from other species of sheep; but he cannot distinguish by the yolk, dewlaps or woolly heads, that individual merino which will yield the finest wool; nothing but the inspection of the fleece can so certainly enable him to do this.

In conclusion, I must repeat the queries suggested in my last, which appear to have been wholly

overlooked.

If yolk is "necessary to the growth of fine wool." and "the finest fleeces have usually the greatest quantity of it," how does it happen that South For the best pair thread stockings, to Mrs. Downs, and several other breeds, have as fine, or Eleanor Tripolett, Downs, and several other breeds, have as fine, or finer wool, than half-blood merinoes, while the lat-for the best piece of waist-coating, to Miss ter secrete a much greater quantity of yolk?

Mary S Love,

more yolk and coarser wool, than low fed sheep?

How does it happen, that rams have more yolk and coarser wool, than ewes?-Does not reason teach us to doubt a theory which has such difficulties to reconcile?

Some allusion was made to my anonymous character; I am content to submit to this disadvantage, having no wish to appear before the public as a writer, nor at all again on this subject-and remain, COLUMELLA.

MIDDLEBURGH SHOW AND FAIR.

[We are much pleased to find, by the "Genius of Liberty," that an Agricultural exhibition was held, with satisfaction to those who have been most active in its promotion, at Middleburgh; on the 17th day of last month, under the auspices of the Agricultural Society for the counties of Loudon, Fauquier,

Prince William, and Fairfax.

Yours, &c.

Premiums were awarded at the above mentioned exhibition for the best Crops, Horses, CATTLE, SHEEP, SWINE, FAMILY DOMESTIC MANUFACTURES, and IMPLEMENTS. Of these awards we are not expected to give a complete list, but we deem it fit to give such portion of them as were taken by the tairer sex. The premium fur Indian corn was awarded to John Wright, for the produce of an acre which is said to have yielded nineteen barrels and three pecks. The same gentleman took the premium for the best crop of hay, being, as reportshould be awarded to any animal which does not readers.]

ed against such a misconception, by stating, dis | bear a name, by which the pedigree of their proge

We are glad to see that our late esteemed fellow

1	the premium for the seat meeting than		
	On Domestic Family Manufactures.		
١	For the best hearth rug, to Mrs. C. Powel, \$	2	00
	For the best carpet, do.	3	00
	For the best wnollen and cotton counterpane,		
		1	00
I	For the best worked cotton counterpane, to		
Į	Miss M. Love.	1	00
۱	For the best worked cotton counterpane, to		
-	Mrs. E. Smith,	1	00
;	For the best worked cotton counterpane, to		
	Mrs. Mary D. Wright,	1	00
ì	For the best piece of flannel, to Mrs. Wm. B.		
•		2	00
;	For the best pair worsted stockings, to Miss		
ĺ	Mary Ferguson,	1	00
,	For the best pair of yarn stockings, to Mrs.		
,	John Wright,	1	00
,	For the best table linen, to Mrs. Sarah Powel,	1	00
ł		1	00
7	For the best pair yarn socks, to Mrs. Wm. B.		
ľ	Steer,	1	00
9			
-	Skinner,	1	00
t	For the best pair thread stockings, to Miss M.		
2	D. Wright,	1	00

For the best pair cotton socks, to Mrs. Ann French, For the best imitation Merino shawl, to Miss

E. Hawling, For the best pair yarn gloves, to Miss M. D.

Wright,

For the best sample of butter, to Mrs. Baldwin 1 00

For the best piece cassinett, to Miss Eliza Chilton, For the best sample of currant wine, to Mrs.

Thomas Turner,

On the subject of that president of all implements, the PLOUGH, the Committee thus conclude their report:]

On Ploughs, Ploughing, &c.

For the best bar-share plough, to Wm. Stuart, 5 00 Mr. Stephen McCormick presented a plough, possessing improvements on the original model-whereupon, it was resolved by the society, "That \$2 be awarded him for his plough, in regulating the beam of the same; adapting it to the use of either two or three horses; as also for the additional improvement of the concave groove for fastening the handles."

Wm. Swart also exhibited a plough, which the committee deemed worthy of attention, but it was presented too late for competition.

To Jushua Fletcher, as the best ploughman, 1 00 Per order,

TASKER C. QUINLAN, Sec'ry.

[Cuthbert Powel, Esq., President of the Agricultural Society of these united counties, delivered on

NEWARK MEADOWS.

(From the New-York Gazette and Athenæum.)

On the important subject of embanking and draining the Newark Meadows, and speedily rendering there is less difference of opinion than is generally imagined. Most men of intelligence view the subject in nearly the same point of light, not doubting of the practicability of the enterprise, nor of the profit that would accrue to the adventurers. It is among those individuals only, who have taken up notions hastily, and drawn their conclusions from a variety of chimerical data, we perceive a great diversity of opinion, some of whom acknowledge that it is in the power of hun an skill to effectually reclaim these meadows, but that the enormous expense and waste of money in the operation, would so overbalance every benefit that could be expected from the measure, as to stamp the enterprise with folly. Others there are, who have never bestowed any serious reflection on the subject, and, as naturally would be the case, have suffered their opinions to be biassed by transient circumstances. The efforts already made, and which, from the want of adequate capital to prosecute the enterprise to a fair conclusion, is sufficient, for these people [who mistaking effect for cause,] pronounce upon the whole contemplated undertaking, and deny, [with the confidence of experienced judges,] that it is within the range of possibility. To do away the injurious effect that these opinions might have on the mind of the community, and to draw the attention of the public to a subject so materially affect-1 00 ing the future local resources of this great metropolis, the agent of the Hoboken Banking and Graz-1 00 ing Company, propounded a number of queries to Anthony Dey, Esq., and Mr. Seeley, two enterpris-1 00 ing gentlemen, who have undertaken to reclaim a portion of these meadows. As their efforts have been erowned with complete success, and their lands now in a rapid progress of amelioration and profit, 1 00 we shall be contented with a few of the answers to ter secrete a much greater quantity of yolk?

Mary S Love,

How does it happen, that high fed sheep have

For the best piece of linsey, to Mrs. C. Powel, 2 00 the questons put. It is to be observed, however, For the best sample of cheese, to Mrs. Bevers. 1 00 that the reclaimed lands of Mr. Dey, lying lower than the laids of the company, presented greater difficulties is the operation of draining.

Question. Are not the meadows between Newark and New-York pretty uniformly of the same general

1 00 character?

Answer. There is the same variety of soil throughout all the meadows; some kinds are estimated by some persons better than others; but I believe, when all are alike reclaimed and cultivated, they will be found equally good. I have found, as to the produce, little or no difference in mine, since their reclamation, whether it is turfy or clay soil.

Q. How long since you commenced reclaiming

those meadows which belong to you?

A. I purchased my meadows after they had been banked or dyked some few years; and do not know how long, and continued to manage them in the same mistaken manner they had been previously managed, until about four years ago. I do not consider they have been dealt with properly until within four years past; when I abandoned the advice of others, and began to reclaim them upon my judgment.

Q. What number of acres have you reclaimed? and what is the shortest period within which you have effected a reclamation of any part, and the

process pursued?

A. I have not the exact number of acres in my mind; but there are somewhere from one hundred and forty, to one hundred and fifty acres in the emed. 5,492 lbs. The premium for the best Stallion, the occasion an address, for which he received their bankment belonging to me, and to which my labour was awarded to Major Joseph Lewis; but no names have been given to any of the breeding animals—for publication. In our next we shall publish co vious mismanagement, I was compelled to bestow vious mismanagement, I was compelled to bestsw whereas, in our humble judgment, no premium pious extracts from it, for the gratification of our much more expense and labour than I think will be Inecessary on those meadows dyked by the Messrs.

I own about two hundred acres, the following is the ties have ever occurred that could alarm the most to, and cating out, the heart of the bulb; and it plan, if I continue to hold them, I have contemplated to pursue: First, To have the bank and sluice during the summer of 1827. gates perfectly tight, so as completely to exclude the salt or river water. Secondly, By drains or ditch es, to make the land as dry as practicable, so that casiness in the mind of any one. man and beast, with all the implements of husbandry, may pass over it without miring. Thirdly, As soon as it can be ploughed, to do so, and make fal- 200 feet of substantial wharf work is built in the low ground, and have the soil exposed to a summer's sun, and a winter's frost, and by frequent ploughing the purpose of forming a harbour, which, when vious to planting, the bed should be filled up with and harrowing, destroy the present vegetation; or, completed, will extend into the Delaware six hun- the compost to about four inches above the level of in other words, I would plough it in August and the dred feet from the lock. fall months-the following spring and summer, I would cross-plough, and harrow it until the soil is stantial bridge, of a single span, exceeding 225 feet. inclination towards the sun.* completely reduced and pulverized; and in the And at the summit the canal is now sixty feet deep. months of July and August, and the early part of September, would apply about one hundred bushels of stone lime to the acre, (such as comes down the North River,) and harrow it in; and as stable manure may be had in the city of New-York for carting it away, I would apply a reasonable quantity of it on the land, and plough and harrow it in; and would then sow not less than four different kinds of grass-seed-say, timothy, red clover, white clover, flowers, are, like the latter, known by the general and herds grass, and as much of each kind as far-distinction of reds, whites, and blues, with a few mers usually sow on upland when they do not intend to sow more than one kind; and I will guarantee, that the following season you will cut from three culiar advantage of a beautiful contrast of colour are each four inches from the sides of the bed; conto four tons of fresh hay to the acre in the first and in the eye, or centre of their bells, which the single

than others may think necessary Mr. Seely's ex. dle of November; if it is done earlier, the plants white, or blue; under these three heads, all hyaperiments will show what the simple operation of will appear above ground in the middle of winter, cinths may be comprehended, except a few sorts of merely sowing grass seeds, and turning on cattle, which will render them liable to material injury yellow, which may be classed with the whites. without digging, ploughing, or harrowing, has pro- from severe frosts; or if it is deferred later, the duced on the black mould, or what is sometimes

termed peel ground.

a mixture of clay, &c. which will be adverted to

INTERNAL IMPROVEMENT.

CHESAPEAKE AND DELAWARE CANAL.

We are gratified to find that the statements made were predicated upon incorrect data, and that there to avoid the drip from trees, which is found to be is every prospect of its being completed in the year 1827. The very respectable editors of the Philadelphia Gazette, have been induced to give the subject some attention, and the result of their investigations may be comprised in these words: The difficulties which were encountered in St. George's them, and it is believed the points of greatest difficulty are now surmounted, thus putting an end to any doubts as to what remained. From the nature of the ground, the earth used in forming the embankments has sunk deeper than was at first calculated; and this, so well as we can learn, is the only difficulty encountered that was not foreseen informed, this section will be completed within the present year, or very early in 1827, when the navigation will be perfect to St. George's village.

On the next section, which embraces St. George's Mill Pond, there never was any difficulty, and this

part of the work is rapidly advancing.

yet to be removed, does not on an average, exceed of Holland.

Marsh, we understand the Canal is finished, and which is pernicious to delicate flowers river, on each side of the Delaware Tide Lock, for

Bult. Gazette.

LADIES' DEPARTMENT.

HYACINTHS.

Double hyacinths, which are much more beautiful and estimable than those which produce single distinction of reds, whites, and blues, with a few distances from each other. The width of the sur-kinds of yellow, more recently obtained from seed. face of the bed is four feet, the six rows across it In many instances, double hyacinths have the pe-

roots will be weakened by their natural tendency to vegetate, manifested by a swelling of the circle And also what less than ordinary ploughing and from whence the fibres proceed, which will be soon harrowing has effected on that part which contains followed by an actual appearance of the points of the fibres, together with that of the foliage at the other extremity of the root, in the form of a small obtuse cone of a greenish colour.

The bed, on which they are to be planted, should be situated in rather a dry and airy part of the garden; a southern aspect is to be preferred, sheltered on the north and east by trees or buildings, at a distance from it proportionable to their height; if it is a common garden-wall or hedge, the distance of six respecting the practicability of making this canal, feet will be sufficient. Care must, however, be taken

prejudicial.

When the situation is determined on, the dimensions of the bed should be marked out, and the soil entirely taken away to the depth of at least two feet: the earth at the bottom must be dug up and comminuted, or pulverized, one spit or nine inches British Gard. Direct. 272. Marsh, were not of a nature calculated to create deeper, and the space above filled up with a com-uneasiness, as to the practicability of overcoming post, consisting of the following ingredients, in the on the Dutch mode of cultivating the hyacinth, informs annexed proportions, viz:-

One-third, coarse sea or river sand;

One-third, fresh sound earth;

One-fourth, rotten cow-dung, at least two years old.

Earth of decayed leaves for the remainder. The fresh sound earth of the compost should be of when the work was commenced. So effectually, the best quality that the garden or adjacent counhowever, has it been surmounted that, as we are try produces: it should be entirely free from nox- the sea. The teaves are rotted by themselves, and is extremely destructive to all kinds of tender vege-

* Or bulbs.

Swirtwouts. As it regards these meadows, of which lifteen to twenty feet in depth, and here no difficultables, and many of the hardy sorts, by penetrating timid. This portion of the work will be finished sometimes proceeds up the stem of the plant. The only sure method of avoiding these worms, is to ex-All west of the "deep cut" is now nearly finished, amine the soil very minutely, and if it contains any, and in relation to this there never has been any un- to pick them out and destroy them. Some make use of rotten tan as an ingredient in the compost, From the Delaware river to the St. George's but it generally retains some degree of astringency,

The ingredients, before mentioned, are to be well mixed and incorporated, and, about a fortnight prethe path on the south or front side, and ten inches Over the "deep cut" at the Buck tavern, is a sub- on the north side, so as to form a regular slope or

> On planting the roots, the surface of the bed should be covered with a little fresh sandy earth, about one inch thick, raked perfectly smooth and even, and have the exact situation for every bulb

marked upon it.

The plan, as described below, on minute investigation, will appear superior to any other that can be devised for elegance and simplicity; each bulb, those of the outside rows excepted, will be in the centre of a hexagon, and the whole at equal are eight inches asunder, and the two ontside rows sequently, the space between the centre of each second mowings.

The reader is requested to note, that Mr. Dey has aimed at a much higher degree of cultivation at any time from the middle of October to the und-

> B W R B W R B W R BWRBWR

On planting hyacinths, a little clean sand should be placed underneath, and likewise upon the roots, to prevent the earth adhering too closely to them;

* Below a compost nearly similar to that which has been described, Justice lays a stratum of well-rotted cow-dung, mixed with one-third part of sand. His reason for this is, "that the extreme parts of the fibres of the hyacinths may reach this layer of riches, and suck what is sufficient to furnish a strong flower for the succceding year, to refurnish the great succulency of those strong stems and bells which they send out every year."

us, that the compost used at Haarlem, is rotten cow-dung, rotten leaves, and fine saud. The leaves of elm, lime, and birch, are preferred to those of oak, walnut, beech, place, &c., which do not rot so quickly. The cow-dung is the droppings only, from cattle fed in stalls on dry food. The sand is procured in the neighbourhood of Haarlem, from a stratum of that material, deposited on one of hard undecayed timber, the remains of an ancient forest, which had been overwhelmed by ious vermin of every description, particularly the when fit for use, placed in triternate layers of sand, hard yellow wire-worm, which is about an inch leaves, and cow-duog. The heap is commonly a ridge long, and prevails in most parts of the kingdom; it of cone, of six or seven feet in height: it lies untouched for six months, and is then turned, in which state it remains some weeks, and is then carried to the flowerbeds. This compost retains its qualities six or seven years: the inferior kinds of hyacinths or narcissuses The next section is that known by the name of the "Deep cut," on which a force exceeding fifteen any time after the middle of September." This early sorts are planted, and the remaining years a rotation is hundred men is employed at present. The earth period of planting is also adopted in the northern parts adopted, in which hyacinths alternate with tulips, jon-vet to be removed, does not an experience of the control of th quils, crocuses, &c.

Distance.

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sandy earth, from three to four inches deep, accord- konk, the present season. ing to the size of the bulb, when this is completed, the bed will be about eight inches above the level New England, cannot be appreciated without being ed on a scale at the side of the pages; the distance of the walk on the south or front side, and about seen. In the South, young females, daughters of on a scale at the bottom. All the information (of fourteen inches on the north; it will look neater and have a better effect, if it is supported on each side with a strong frame of thick boards, or brick-work; ously employed in plaining straw, making pies, and in order to preserve it from very heavy rains or severe frosts, it should be hooped over, and mats or canvas should be placed at hand ready to cover the bed on such emergencies; but it will not be necessary to defend it from moderate rains or slight frosts: for too frequent and long covering will deprive the roots of the due action and influence of the air, which ought to be avoided as much as possible: it were even better to run the hazard of incurring a slight injury by the omission of covering on some Which were all musick to a mother's ear. occasions, than overdo it to the certain detriment of Was fallen asleep. Within a few short hours,

soil as to reach the hulbs, especially about the time And clasped her neck within his baby arms, that the plants begin to appear above ground, it will And in her bosom buried up his faceproduce a singular effect, by causing some of them And once from that dear pillow did he lift to shoot forth or discharge their stems and blossoms; His eye to hers, as if to catch the soul

lour about the beginning of April: it will be proper He buried up his face again-1 went, to screen such from the too powerful effects of the With the broad human current to the spot, sun, which, if not prevented, would bleach and tarwish their colours, particularly the reds and deep. He was asleep; his lip was gently curled, blues; but, if they are properly defended from it, And had a doubtful impress in its form, their colours will be preserved, and they will, in Which made you hesitate to tell, in truth, some measure, be kept back, so as to be in full If it was joy or grief that made him wear bloom with the later sorts, especially if the roots of it thus—it was that form of lip that oft the early sorts have been planted about an inch Was seen, when he had struggled up to kiss deeper than the rest: it is a very desirable object to The cheek of her that bare him, in the way have an uniform bloom.

advance in height; for this purpose, small sticks or Had fallen thus far, and he seemed to sleep, wires, painted green, should be forced into the As conscious of his state, ready to wake, ground, immediately behind the bulbs, either in an When his pure spirit should be well refreshed, erect position, or leaning a little backwards, to which the stems are to be rather loosely tied, with small Wrapt in his lucid dress, whose whiteness well pieces of green worsted, as soon as they begin to Accorded with the paleness of his cheek, bend, or are in danger of breaking with the weight And but for this, the fear that he would wake of the bells;* this operation must be repeated as No more, had scarcely crossed the mind of one they advance in height, for it is impossible to do it. Who looked upon his features—but alas! at one time so as to answer the purpose. When They laid him in a narrow building, made the greater part of the bed appears in colour, a covering, or awning, should be erected over it, and thought the path in front: the awning should consist of a That 'twas his cradle, but that it was close, strong frame of wood, ten feet high in the centre. And, tho' in miniature, it yet was shaped, and seven feet at the sides, covered with Irish or As men's last dwelling houses always are; Scotch sheeting, or Russia duck, which will effect It was his coffin. There was a coldness tually keep out rain, and admit a great degree of On his brow, that met the lip maternal, light; it should come down close to the bed, on the Prest full often there which spoke of death. north side, in order to preserve it from cold winds, which are prejudicial to the bloom.

of lines and pullies, as to be easily and expeditiously rolled up, or let down, as occasion requires, to afford the plants the full benefit of light and air, at As they closed up the lid above his face all favourable opportunities; that is to say, when And shut him from her sight for ever! the air is mild, and light clouds intervene, so as to blunt the sun's ray. This sometimes, and, indeed, often happens to be the case from seven to nine Upon his coffin, lest the sound should break o'clock in the morning, and from four to six in the The breathless rest of the calm slumbering boy! evening, at which times the sun has also less power than in the middle of the day. [Flor. Dir'y.

(To be continued.)

SEWING SILK.

We yesterday saw a box of the most elegant sewing silk, of the first quality, containing fifteen hundred skeins, which was manufactured in the

the whole are then to be covered with sound fresh family of Jabel Ingraham, Esq., at his farm in See- so drawn up as to present at one view the altitude

planters, are generally lazy and indolent; in the which the following is a summary,) is the result of North, the farmers' daughters are always industriweaving, spinning, or, as in the present instance, manufacturing silk.

[N. Y. Advocate.

(What say you to this, young ladies "in the Wilkesbarre, 500 .

THE SLEEPING INFANT BOY.

A cherub boy,

Of days enough to lisp in broken words, If frost is permitted to penetrate so far into the Of his young mother, clambered up her knee, but if the roots become entirely frozen through, Of tenderness that beamed there for her child. they are in danger of being destroyed.

And when he saw her deep delight, he sighed,
The earlier sorts will begin to open and shew co-Of kind atonement for some past offence-It will be necessary to support the stems, as they His eye was just half closed—the weary lid

Still as she gazed upon him in his state Of mortal loneliness, she almost saw The covering should be so constructed by means His little bosom heave, and half expected He would awake to lisp the name of mother; And a strange shuddering ran thro' all her frame

> I saw them lay him in his infant grave, And lightly did they cast the dust of earth

MISCELLANEOUS.

COAL MINES.

(From the Philadelphia Gazette.)

the Comparative Altitudes and Distances from the secret of those who profess to cure this disorder. principal districts of Anthracite Coal in Pennsylva-Whether they are the same practised by Mrs. Leigh, The florist's usual term for the corolla of the hyacinth. Inia to market." It is a valuable document, being does not appear.

of the different coal regions, and their distance from actual surveys:

To PHILADELPHIA.

Lackawaxen,

Lockage.

. . . . 1583 feet . 317 miles.

(Via Delaware and Chesapeake Canal.)
Wilkesbarre, (via Lehigh,) 1279 162
Lehigh, 513 182
Schaylkill,
To New York.
Wilkesbarre, 650 375
(By the Delaware and Chesapeake Canal.)
Lackawaxen, 1432 217
Wilkesbarre, (via Lehigh,) 1279 192
Schuylkill, 208
Lehigh, 513 162
IDI 146 III A III A

The point from which the altitude and distance of the Lackawaxen district is taken, is Keen's pond, which lies on this side of the Moosick mountain. over or around which there is to be a rail road

The route of the Susquehanna and of the Delaware and Chesapeake Canal to this city, and of the Delaware and Raritan Canal to New York, has been followed in making the first estimate of the altitude and distance of the Wilkesbarre district.

In the second estimate, the route by the Lehigh and Delaware to Philadelphia, and, after leaving the Lehigh, by the Delaware and Raritan Canal to New York, has been followed. The summit level of the proposed Lehigh and Susquehanna Canal, is about the same distance from Wilkesbarre that Keen's pond is from Carbondale, which latter place lies west of the Moosick mountain.

Mauch Chunk landing is the point from which the aritude and distance of the Lehigh district have been estimated—to Philadelphia by the Lehigh and Delaware; to New York, by the Lehigh, and the

Delawaie and Raritan Canal.

The distance and altitude of the Schuylkill district, are given from Mount Carbon landing to Philadelphia, by the course of the Schuylkill; and thence, by the Delaware and Raritan to New York.

The distance and lockage, with similar ground and improvement, constituting the prime cost of ar-tificial navigation, and, when the work is done, the prime cost of all transit to market, the value of this document must be apparent at a glance.

WOOLLEN MANUFACTURES.

At a meeting of Woollen Manufacturers from various parts of the state of Massachusetts, held at the Exchange Coffee House on the 23d inst., the depression of the woollen manufacture, and the causes which have produced it, were taken into consideration. A memorial to Congress for an increase of duty on woollen goods was drafted by a committee, which was unanimously adopted, and the committee instructed to forward it to Congress. A committee was also appointed to correspond with manufacturers in other states, to solicit the aid and co-operation of all who feel an interest in this important branch of our national industry. [Bost. pa.

STAMMERING.

The New Hampshire Spectator contains an article on the subject of stammering, and prescribes A friend has obtained for our use, "A Draft of the following rules, which are said to be the whole

other words, when the breath is gone out, and speak sparing way; a very small piece of pudding, and Shiplake, near Henley-upon-Thames, undertook on slowly. [Stammerers are said to have no hesitancy less meat; and when fish is to be obtained, neither in singing, which cannot be performed without res- one nor the other are allowed; wine and water is game, within three miles of Shiplake, in the course piration.]

2 Place the tongue flat on the bottom of the

mouth, before attempting to speak.

3. Begin by speaking short sentences and easy

thus afflicted for thirty years, saw these printed directions, were as speedily cured as himself.

Mr. Bennet Tomlinson, of Talbot county, Md. 4. Are they purged, and what purges, or other raised on a lot of eleven acres, the present year, 126 medicines are given them? barrels of corn wanting one-tenth; of this quantity, there were 120 bbls. of what is called long corn—ing, have recourse to purgative medicines; two the ground was prepared and planted about the 10th ounces of Glauber salts is the usual dose, and it is of April, three feet apart each way, and two stalks very seldom that any other medicine is had recourse left to a hill. [Easton Gazette.

Barner, which used to be thought high at 40 cess to reduce corpulency in other people, whether cents a bushel, will now command 80 or 90. This male or female? is occasioned by the increase of breweries. Farmers

Munificent.—A communication has been received upon to submit to such severe discipline, who had by the Board of Aldermen, from WARD NICHOLAS not been inured to it from his infancy.

BOYLSTON, Esq., offering for the acceptance of the City, for the use of the inmates of the House of In- power to communicate is, that John Arnull,* when dustry, a twin pair of oxen, 74 years old, weighing 4392 lbs. raised at his farm at Princeton, and which have never been yoked The communication being read, it was ordered, that the thanks of the Board, in behalf of the city, be presented to Mr. Boylston agreed upon; in consequence of which, he abstainfor his liberal donation.

SPORTING OLIO.



ON TRAINING.

(From the Annals of Sporting.)

The following observations were received from Mr. Sandivir, an eminent surgeon, residing at Newmarket:

W. SANDIVIR presents his respectful compliments and hopes Sir John Sinclair will excuse his not having answered his favour of the 7th instant, he not having been able to obtain sufficient information to do it earlier; and the following answers are the best he is now able to give to the queries Sir John has on the Oxfordshire hills, to the westward of Henbeen pleased to favour him with.

1. How long the training of jockies generally

continues?

With those in high repute as riders, in a greater or less degree, from about three weeks before Easter to the end of October; but a week or ten days are quite sufficient for a rider to reduce himself from the weight he is naturally of, to some times a stone and a half below it.

2. What food do they live on, both solid and liquid, and what quantities are allowed them of each?

For breakfast, a small piece of bread and butter.

1. Commence speaking whilst respiring, or in with tea, in moderation. Dinner is taken in a very

walk is taken, from ten to fifteen or sixteen miles; rections, and on the very first experiment, was ena- after their return home, dry clothes are substituted bled to speak without the usual stammering. Four for those that are made very wet and uncomforta-other persons, to whom he recommended the di-ble by sweat; and, if much fatigued, some of them will lie down for an hour before dinner; after which A negro drayman, of Charleston, S. C. whose of no severe exercise is taken, but the remaining part forts to speak, it was painful to witness, was wholly of the day is spent in that way that may be most cured in two hours by Dr. De La Motta, on Mrs. agreeable to themselves. They generally go to bed by nine o'clock, and continue there till six or seven the next morning.

Some of them, that do not like excessive walk-

5. Would Mr. Sandivir recommend a similar pro-

W. Sandivir would certainly recommend a simiwould promote temperance, and render their acres lar process; to reduce corpulency in either sex, as, more profitable, by substituting beer for spirits. Portsmouth Journal, does not appear to be injured by it; but he is apprehensive, that hardly any person could be prevailed

rider to his royal highness the Prince of Wales, was desired to reduce himself as much as he possibly could, to enable him to ride some favourite borse, without his carrying more weight than was ed from animal, and even farinaceous food, for eight succeeding days, and the only substitute was now and then a piece of apple; he was not injured by it at the time, and is now in good health; added to which, Dennis Fitzpatrick,†a person at this time continually employed as a rider, declares that he is less fatigued by riding, and has more strength to contend with a determined horse, in a severe race, when moderately reduced, than when allowed to live as be pleased. although he never weighs more than nine stone, and frequently has reduced himself to seven stone seven

New Market, 28th June, 1805.

GAME SHOOTING.

(From the Farmer's Chroniele, of Nov. 1925.)

Mr. Montgomery, of Warfield, Berks, undertook on Monday to kill 60 head of game in eight hours, with a double-barrelled gun, to hunt and to pick up his own game. The number killed was as follows, ley upon-Thames. Mr. Montgomery breakfasted at Shiplake, three miles from where he started, having bagged in three hours 16 hares, 9 pheasants and 8 partridges-total 33. At four o'clock in the afternoon, the shooter having finished at Playhatch, three miles from Reading, the whole produce was 26 hares, 22 pheasants, and 14 partridges, winning Dear Sir, the match of 50 sovercigns by two head. Partridges were scarce and wild.

> *Died May 28th, 1811, aged 62. † Died June 27th, 1806, aged 42.

Berkeley Frampton, Esq., and Captain Cobb, of Tuesday, for 200 sovereigns, to kill 70 head of their usual beverage, in the proportion of one part wine to two of water. Tea in the afternoon, with little or no bread and butter, and no supper.

of the day. The gentlemen shot over the Oxford-shire hills, on the northern side of the road, and little or no bread and butter, and no supper. ttle or no bread and butter, and no supper.

3 What exercise do they get, and what hours of the partridges being very wild. Each bagged as words.

4. Speak sentences with easy words at the beginning, and terminating with hard ones.

A Mr. Trescott, of Providence, R. I. who was two coats, and as many pair of breeches, a severe 73, and winning by 3. The parties shot at every thing, and had markers and fetchers to attend them.

> The first meeting of the Crack Pigeon Shooting Clubs took place on Monday, on Chobham Common, or Bagshot Heath, between seven members of the Ashton, and seven of the New Hats Club, for 100 sovereigns aside, the usual distance of 21 yards from the trap, at 11 birds each.

ч				
l	New Hats.	hilled.	Ashton.	killed.
	Mr. Frampton,	10	Mr. Giles,	9
	Mr. Flint,	9	Mr. Henniker,	8
	Captain Smith,	8	Mr. Goodchild,	8
,	Mr. Jones,	8	Mr. Hornby,	7
	Mr. Fortescue.	7	Mr. Kubergall,	7
	Mr. Hull,	7	Mr. Musgrove,	7
1	Mr. McQueen,	7	Mr. Howell,	3
		56		49

HUNTING SONG.

Of horns, and of echoes, that through the woods ring,

And of lads full of mettle and soul, And of gay sporting boxes let other bards sing, Merely built for the chace or the bowl: l bring you, of sportsmen, a true and try'd knot,

Who sport a snug box, call'd Humanity's cot.

Is honour in danger, worth sunk by its fears? On those coursers, their wishes, they're borne, To hunt vice to the tuils, and to dry virtue's tears,

As the sun melts the dew of the morn: Then join, of true sportsmen, so noble a knot, The good lads that inhabit Humanity's cot.

What chace a delight can more glorious yield, Than to hunt in so noble a track?

Vice and folly the game, wide creation the field, And the vot'ries of honour the pack: Rejuice then, ye sportsmen, who're thrown by fate's

'Mongst the lads that inhabit Humanity's cot.

Return'd from their toil, with life's comforts well

Reflection their food gives a zest;

Health seasons the viand that smokes on the board. A clear conscience invites them to rest:

And sweet are the slumbers that fall to the lot, Of the lads that inhabit Humanity's cot.

Then let each English sportsman these maxims embrace,

Who the spoils of true honour would share; All that s noxious to hunt to the toils in life's chace,

All that's harmless and useful to spare: So the blessings of thousands shall make up their lot.

And each sporting-box vie with Humanity's cot.

EDITORIAL CORRESPONDENCE.

Galway, October 24, 1826.

The season has been very dry, perhaps more so than ever was known before in this place. We had fittle or no rain from the middle of April to the middle of June; and from the 1st of July unto the 15th of September. Of course, our crops are very

and two-thirds of a crop of corn, and other spring publick grounds were also cultivated at the followgrain. I found that my crops stood the drought as ing military posts and stations, though on a less exwell, if not better than my neighbours, which has tensive scale: Natchitoches, (Red River,) The Sul confirmed me more in my mode of culture.

I remain, with great respect,

EARL STIMSON. Yours, &c. J. S. SKINNER, Esq.

FARMOR.

BALTIMORE, FRIDAY, NOVEMBER 10, 1826.

83-"Render unto Cæsar the things which are Cæsar's." The amusing and spirited account of this office yesterday, by an elderly gentleman of the Tree Hill Races, published in this paper of the 27th ult., was taken from the Richmond Whig. We never had an idea that the publick would suppose that these accounts of races in the different parts of the country, were written by ourselves. The fact is, that we have written scarcely a word

23-Extensive cultivation is carried on by the United States' troops at Council Bluffs, and at many other of our military posts; though not at any of them so extensively as at the former station, for none other is so self dependent for its necessary supply of vegetables, fruit, grain, &c. According to the regulations of the War Department, in which so many important improvements have been introduced of late years, it is, we believe, made the duty of the surgeon, or some other officer on the post, to transmit regular meteurological observations. Some curious and valuable facts, connected with the interests of agriculture and horticulture, might be established, if it were practicable (as we should suppose it was,) from a letter containing cheering intelligence respectto obtain in the same way authentic and systematic remarks upon the effect of our various climates fairs at Manchester. upon vegetation. The time of the sprouting, the leafing, flowering, ripening, &c., of grasses, grain, esculent vegetables, forest and fruit trees, &c. might be stated at each place, from which a general table for all our latitudes might be made up and presented at one glance. The view of these facts would enable us to judge without consuming time for acenable us to judge without consuming time for actual experiment, how far it would be practicable to deal of business having been done, and some advance introduce in particular latitudes, products hitherto in prices obtained. There is at last an arrival of Rice, a stranger, but which might be introduced with as which is not yet landed. The Grain market is very duil, much advantage as was the guinea grass to Jamaica, and Flour neglected at 22 to 23s. per barrel Askes are which it relieved from dependence on foreign sup-ply for one of the most important articles of subsis-bbls. Turpentine have been sold at 9s. 6d. to 10s. 6d. tence-beef.

If, for example, the meteorological table should shew that at a particular place frost did not commence before, nor last longer than a certain number of months; and the table of vegetation at another season (at the stable of Mr. Potter, near Baltimore,) post should shew that cotton, or Indian corn, or po-tatoes, or any other of the rich offerings of Ceres, or the countless beauties of Flora, required only a like period to display their signs of animation, the question of adaption to a given climate would be thereby settled; and time need not be lost by too cautious and limited experiments on the one hand, nor by fruitless attempts at what these tables would shew to be physically impracticable on the other.

After all, it is most probable that every thought which has been here so crudely presented, has been carried so far as to provide for the collation of the facts and their publication, in a form to shew their bearing upon the general interests of agriculture

hort-not more than half a crop of wheat and hay, and St. Peter's, (on the upper Mississippi;) that phur of Red River; Fort Smith, (Arkansas;) Fort Edwards, (upper Mississippi;) Fort Armstrong, (do.) Prairie du Chien. (do.;) Green Bay; Mackinaw; The Sault de St. Maries, (outlet of Lake Superior;) and Saganaw Bay, on Lake Huron."

87-Not to put off until to-morrow what may be done to day, is a motto as applicable to the business of a farmer as to any other, and especially in regard to the pluntation of trees. The truth of this is illustrated by a remarkable fact, mentioned in was on the farm of a son-in-law, superintending the planting of an apple orchard of three hundred trees, when he heard the news of the war in 1812, and that the proprietor of that orchard is fully of opinion The fact is, that we have written scarcely a word for that head of our paper, taking scraps here and there, as we could find them.

The fact is, that we have written scarcely a word for that head of our paper, taking scraps here and thousand gallons of cider! Think of that, procrasting there, as we could find them. that your children only can gather the fruit!

> TWe have already received several ears of corn, and hope yet to get as many more as will give greater variety to the collection for the American Museum at La Grange.

COMMERCIAL RECORD.

FROM LIVERPOOL.—The ship Orozimbo, Capt. Thomson, arrived here this morning from Liverpool, having sailed thence on the 29th of September—four days later. She did not however bring any papers of a more recent date than had been received by previous arrivals. A commercial friend has favoured us with an extract ing the cotton market at Liverpool, and the state of af-

"Liverpool, Sept. 28.

"We have again had a very good demand for Cotton to-day, and the sales are supposed to be at least 3000 bags, partly to the trade and partly to speculators. The advance in the present week is not less than a 4d per lb.; but is chiefly on the middling and fair qualities of Upland and Mobile. We quote now at $6\frac{1}{4}$ to $7\frac{1}{2}$ d. The

AMERICAN ECLIPSE.

The owners of this Horse have determined that his will, in all probability, remain in the South, at least until the existing laws of New Jersey (where he is owned,) shall be so altered as to encourage the breeding of turf horses.

Baltimore, Nov. 9, 1826.

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—Advertisement.

PRICES CURRENT

	PRICES	UR	R	EN	T,					
_	ARTICLES WHOLESALE. RETAIL							L.		
	ARTICLES.	per	fi	om	1	to	fi	rom		to
t	BEEF, Baltimore Prime,	bbl		00			-		-	
)	BACON, and Hams,	lb.		6	1	10		9		12
9	BEES-WAX, Am. yellow	_		29		30				50
1	COFFEE, Java,		1	16#		171		20		22
ı	Ilavana,	-	}	14		17				20
	COTTON, Louisiana, &c.	=		11		14				
3	Georgia Upland, COTTON YARN, No. 10,	-		10		12				
_	An advance of 1 cent			28		30				
1	each number to No. 18.								1	
3	CANDLES, Mould,	=		13		14	-	16	H	15
)	Dipt,			11		12			1	14
f	CHEESE,	-		81		10		12		15
9	FEATHERS, Live,	-		30		32		37		
2	FISH, Herrings, Sus.	bbi.		374		0.0	1			
	Shad, trimmed,	bush	5	50 75	6	00		- 1	1	
í	FLAXSEED, FLOUR, Superfine, city,	bbl.	5		5	80 12	5	25		0-
1	Fine,		4	75		12	1	20	6	25
ı	Susquehanna, superfi.								not	1) =
-	GUNPOWDER, Balti	25 lb	5	00			5	50		
	GRAIN, Ind. corn, yellow	bush		52		55	1			
	white			52		55				
	Wheat, Family Flour,	-	1	05		123				
f	do. Lawler, & Red, new			95 95	l	00				
	do. Red, Susque Rye,			75	1	00				
H			1	124	1	22				
-	Barley,	bush	4	50	-	~~	5	00		
1	Ruta Baga Seed,	lb.		87	ì	00				
	Orchard Grass Seed,	bush	3	00			3	50		
	Mangel Wurtzel Seed,	_	1	25			1	50		
	Timothy Seed,	_	4	00		-	4	50		
-	Oats,		,	48 25	1	50	2	0 =		
5	Beans, White,	ton.	200	,	210	50	1	37		
3	HEMP, Russia, clean, . Do. Country	ton	120		200					
	Do. Country HOPS, 1st sort, (1826)	lb.		25						
t	HOGS' LARD,	-		7		10		12		
	LEAD, Pig	lb.		65						
	Bar	-		71/2		0.0		0.0		
	LEATHER, Soal, best,	-		21		23 50		32		
1	MOLASSES, sugar-house	gal.		46 30		32		52년 37년		75
2	NAILS, 6a20d	lb.		61		32		9		
	NAVAL STORES, Tar,	bhl.	1	50	1 (52 <u>4</u>				
9	Pitch,	_	2			2				
f	Turpentine, Soft,		1	75						
e	OlL, Whale, common, .	gal.		27		30		40		
t	Spermaceti, winter .			00		75		88		
е	PORK, Baltimore Mess,	ppl	11	00	0	£ O				
,	do. Prime,	ton	8	50	ି 8 ସ	50 52 1				
,	PLASTER, eargo price,	ton.	3	50	J 1	2				
e	RICE, fresh,	lb.	,	31				5		
	SOAP, Baltimore White,	lh.		12		14		18		20
1	Brown and yellow,	_		$5\frac{1}{2}$		8		10		12
	WHISKEY, 1st proof, .	gal.	:	331		85		38		50
1	PEACH BRANDY, 4th pr	-		75	Í	00	1	25		
ا	APP' E BRANDY, 1st pr SUGARS, Havana White,	a lb	10	29	10	50	1.4	50	1.	
s)		e.lb.	12	50	10	75	1-1	- }	15	
2	do. Brown, Louisiaoa,		9	25		00	10		11	
1	Loaf,	lb.	ľ	19		22		20	11	22
t	SPICES, Cloves,	_		70			ì	00		
8	Ginger, Ground,	_		7		12		12		18
•	Pepper,	_		16				25		
		bush		43				75		
	Liverpool ground	oll.	0	48 50				75 12		
	SHOT, Balt. all sizes, . WINES, Madeira, L. P.	elb.	8 2	50	3	00	3	50	4	
	do. Sicily,	gar.	î	10	1	15	1	50	4 2	00
-	Lishon,		i	05	i	10	1	50	1	75
1	Claret,	doz.	4		3		5	00	8	00
1	Port, first quality,	gal.	1	65	1	85	2	50		
1	WOOL, Merino, full bl'd			30		35	1	was	h'd	on!
•	do. erossed,	-		20		20	}	sh	eep	⁷ S
5	Common, Country, .	-		18 20		22		back		
-	Skinners' or Pulled,		*	~0		20	1,	fron	. taj	534
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5	Printed every Friday, at	TOH	N T). T	U.A.	. C	arn	er	of	St.

SKINNER, Editor, by John D. Toy, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

HOME MARKETS-AGRICULTURAL PRO DUCTIONS AND RAW MATERIALS.

(From the Memoirs of the Board of Agriculture of the State of New York.)

A Memoir on the expediency and practicability of improving or creating Home Markets for the sale of Agricultural Productions and Raw Materials. by the introduction or growth of Artizans and Ma nufacturers-by George Tibbits, of Rensselaer

Read before the Board of Agriculture of the State of New York, March 8, 1825.

(Concluded from p. 267.)

These powers are applied at the discretion of Congress, and include, not only the power required to be exercised in this particular case, but it is be lieved to be imposed upon that body as a duty, to protect and promote the rights and interests of their own country, and each, and every class, section and benefit to their constituents.

the imposition of discriminating duties, favourable vessels. The tonnage on vessels, and duties payand at a time also, when the country had but a very their ships, have become rich. few seamen and vessels. By such means, Congress cherished and elevated the ships and shipping interests of this country, to their present exalted

plained of, however, except'y the southern states, any. The consequences pm this forced preference effect, to the ships of this courty, has resulted in growing and faising up with it, a stock of mariners, pears No. 35. - OL. 8.

ference given by Congress to the temporary preju- articles, until, upon their being refused in xchange, where they can find admittance and a market.

and to that end gave to it the required protection, wars. there was not only an ostensible, but an absolute The acts of England, in refusing to take the agri-want of hands to carry it on. Our vessels having cultural productions of the northern states in exthe preference, those of other nations had less to change for her manufactures, ought to be considervessels, sought for, and found employment in ours, nitions. These acts may reasonably be construed in the same manner as their cloth-makers would as saying to us, "you are of age; you have left the now find employment in our work-shops, if Confamily; make your own clothing; your welfare degress should, by like protecting duties, cause a premands it of us to compel you to do it; you are caindividual, against the aggressions and cupidity of ference over those of all other countries, to be given pacitated by God and by nature to become a great foreigners, and to regulate the whole concern in to cloths made in this country, from the wool of our and powerful people, and to extend the language, such manner as to produce the greatest practicable own sheep, and by artizans who should, while mak the religion, the laws, customs and manners of mest to their constituents.

This will appear to have been the intention of home market, for the provisions and bread stuffs the mother country in these respects; but you never the framers of the constitution, as well from the required for their support. The English could not can arrive to that state, until you acquire and doexposition given of those powers, at, and about the resort to our work-shops, to get back their cloth mesticate the mechanic arts, upon which that eletime of the adoption of that instrument, as from makers, as they did to our ships, to reclaim their vated station is mainly dependent. Europe has the early practice of the government under it, in seamen; which, more than any thing else, brought millions of artizans who would flock to your shores; on the late war, and thereby, incidentally brought add to your numbers, and teach your rising poputhe imposition of discriminating data of the fact war, and discretely, includingly and expense upon the country of many millions. But it has now become evident that Congress congranting bounties to fishing vessels; prohibiting all But it has now become evident that Congress congrate from this country, to some others, in foreign sulted the best interests of the country, by institutions and shipping interests of the recessary arts, if you would give them but it has now become evident that Congress congruence of the country, to some others, in foreign sulted the best interests of the country, by institutions and shipping interests of this country. ing and protecting this branch of national wealth rise; avoid our errors and unnecessary wars; exable on goods, were all so arranged and imposed and industry, at any hazard, and at any given ex-by Congress, and that, directly after the adoption pense. The objection, therefore, to giving protecture, the necessary stock of artizans, and a home market of the constitution, as to induce shipments in the tion to manufactures, comes with an ill grace from for all your agricultural productions." vessels of this country, in preference to any other. the ship owners, who, from a like protection to

measure. "Whereas it is necessary, for the supmeasure. "Whereas it is necessary, for the supagreement; for the discharge of the debts
a great extent. They may now all tell us that the
congressional protection is of no use to them. The
couragement of manufactures." "See
couragement of manufactures." "See
couragement of manufactures." "See
couragement of manufactures." The inducements to emigrations of this description, would probably be greater
than any which the settlement of new lands has
relates to that article. They have both secured the
the importance of the constitution of the discharge of the debts
to emigrations of this description, would probably be greater
than any which the settlement of new lands has
relates to that article. They have both secured the
the importance of the constitution of the discharge of the debts
to emigrathe form the discharge of the debts
to emigrato emigrat

The only agricultural articles for which there appears to be an efficient foreign demand, are cotton, through the hands of shipping merchants to foreign ing and faising up with it, a stock of mariners, pears to be an efficient foreign demand, are cotton, ships, ship builders, so makers, capital, and shipping concern, such as hardly to be found in any our climate is not adapted, and the northern states other. The institute was at considerable, but temporary expense the country. We had to pay tation. We have continued our ancient practice of rest and dividend receiving men will find better rents will be increased or mariners, pears to be an efficient foreign demand, are cotton, through the hands of shipping merchants to foreign markets. Our rent receiving men will find their interests promoted by these measures, as thereby their rents will be increased or mariners, pears to be an efficient foreign demand, are cotton, through the hands of shipping merchants to foreign markets. Our rent receiving men will find their interests promoted by these measures, as thereby their rents will be increased or mariners, pears to be an efficient foreign demand, are cotton, through the hands of shipping merchants to foreign markets. Our rent receiving men will find their interests promoted by these measures, as thereby their rents will be increased or mariners, pears to be an efficient foreign demand, are cotton, through the hands of shipping merchants to foreign markets. Our rent receiving men will find their interests promoted by these measures, as thereby their rents will be increased or mariners, pears to be an efficient foreign demand, are cotton, the hands of shipping merchants to foreign demand, are cotton, the hands of shipping merchants to foreign demand, are cotton, the hands of shipping merchants to foreign demand, are cotton, and the hands of shipping merchants to foreign demand, are cotton, and the hands of shipping merchants to foreign demand.

dice of the landed interest, the number of ships and we find ourselves suddenly reduced to poverty. The mariners might have remained small to this day remedy is obvious. Shut out the manufactured ar-But the benefits soon resulting to the country greatly ticles, or commence upon that plan, and from time exceeded the incipient expense. Ships and seamen to time progress upon it Give assurances to the multiplied; a strong competition ensued, and reduc-adventurers in manufactures, that their investments ed freights and charges of all kinds, to the lowest shall not be sacrificed, and we shall very soon create possible grade. It proves in every point of view, home markets for all the raw materials and progreat benefit to the country, in seeking for mar-ductions of our land, and find ourselves supplied kets for its productions, and by carrying them, at the cheapest rates, into every part of the world, they are now imported. The cotton-growers will thereby secure to themselves an enlarged home When Congress first determined that this branch market, where they may be under no apprehensions of business should be established in this country, of being supplanted by Egyptian competition, or by

Their sailors having less to do in their own ed by us in the light of friendly and paternal admo-

I should consider it a great misfortune, if England should withdraw this admonitory advice, and The southern, or cotton, sugar and tobacco-grow-again admit our bread-stuffs, provisions and raw ag states, complained as loudly against the protec-materials. It would have a tendeocy to prevent us, tion given to the shipping interests, as they now do for a long time, from rising to that solid and permaat the required protection to manufactures. It is nent elevation to which, by her policy, we are now As a further evidence, however, of ne clear un-remarkable that they never complained at the exer-fast approaching, and to which we may very soon As a further evidence, however, of ne clear understanding of the framers of me constitution, as derstanding of the framers of me constitution, as described in Congress, in relation to the protection of manufactures the first Congress, (who were many of them manufactures, the first congress, (who which framed the condition,) in the preamble to growing of cotton, sugar and tobacco. It has not on imported artices, the protection of manufactures it is necessary, for the support of government; for the discharge of the debts agreat extent. They may now all tell us that the

the firt Congress, must be presurted to be better home market, and considerable foreign demand, by to complain at the measures proposed. If they lose the fire Congress, and the companies of the powers intended the effect of Congressional protection; but the fine the importing profit on the particular article which able to determine what were the production and the more goods, still reto be vested in Congress, than theyounger commenutors of the present day.

That the protection now merchant, will find an abundant compensation from The great preference compeled and enforced by Congress, to be given to the sips and shipping interests of this country, for a time bore hard upon terests of this country, for a time bore hard upon terests of this country. It was not compeled and enforced by provided for the articles last mentioned, has not the increased quantities of commodities still remaining to be imported. The importers will find, moreover, that about all the articles proposed to be made the farming or landed interst. It was not com rests, is evident from the large quantities which are in this country, must still pass through their hands. still imported; and nothing more is requested than A large proportion of the coarse cotton cloths now who owned no ships, and lever expected to own that it shall be increased until it has produced that made in this state, are sent to New York, in the first place; from thence they are distributed through temporary expense the vessels of our own higher duties, or ip in the vessels of our own country at higher eights. Our number of vessels country at higher eights. Our number of vessels and fees expectation of foreign demands for them, in expectation of our officers of government and professional men and seamen were cry small, and, but for the pre-

prosperity of the country.

forward manufacturers, whose establishments had demonstrated. Markets for agricultural produce, additions should be made to the existing tariff; and their rise in the early stages of the embargo, that at fair remunerating prices, are required by the

sary proof, we are led to attribute it to the overbearing influence of self interested mntives.

The manufacturer who has once passed the inicountry, if the necessary protection to new adven-turers is granted, but which he well knows never for it.

quantities raised, while there is no efficient demand paid for it abroad. Our slate-makers are then driven from the market, and their works stopped. Their can arise without that protection.

cotton and tobacco of this country.

England understands her interests too well to exwill advance our manufactories and injure her own. Three times that amount, it they could be something the sound of the land at fair equivalent fairly under way, in comes another, or numerous other parcels from abroad, the price declines imor any other country, much below what it is in England; and the price would be as much lower in come to us from abroad. Give to artizans protecthis, and every other country, than in England, as tion, and they will increase from our present popumen from this branch of business; well knowing on it, would amount to, and a correspondent disad-consumption of agricultural produce will be im-those surfeits from abroad. It would seem to be obtain it cheapest.

Manufactures are objected to, as having a tendency to debase and demoralize the community, to increase criminality, and the number of paupers.

where manufactures prevail."

Commerce, without manufactures, may be pro-

GENTLEMEN-

Agriculture and agricultural societies, may have and what further measures are required. been productive of benefits equivalent to the expense and attention which has been paid to them.

But whether they have or not, from the circumstance of their distribution through the state, they should be prohibited, or on which heavier duties should be prohibited, or on which heavier duties should be imposed. All these matters invite the back ground. Their forms government may be defective—the freedom of the litzen may be lighted. are well calculated for prosecuting investigations most deliberate consideration of the Board. in relation to the benefits which may flow to the within the state, of a manufacturing population, prohibited.

will have the gratification of beholding the general commensurate with the wants of the community. That the benefits would be great to the landed in-ticles made of wool, with the necessary confidence, ospeny of the class and most terest, the universal experience of all countries has it is deemed to be proper that progressive annual manufactures do not require further protection in landed interest, rather than a more perfect know- cles made of hemp; and, perhaps, iron. Buildingmanulactures do not require further protection in land that the state of the art of raising it, or enlarged quantities slate, is another article which this country is capatively in the absence of all necesties may have improved the art of raising landed mand, and at prices not exceeding the cost of that productions, and thereby may have contributed article, when the quantity brought from abroad, somewhat towards increasing the quantity. With-out abandoning their duty in that respect, it is be-country. It is usually brought to this country as tiatory state, had rather encounter foreign competi- lieved that they would, to a much greater extent, ballast, and did sell, and would now sell, above the thatory state, had rather browner the content of th

Apprehensions are entertained in the southern ticed, is incapable of providing markets for agricul-buildings and fixtures go to decay, and even imporstates and elsewhere, that if we manufacture for tural produce We are to look for home markets, tations become more limited for want of sale. The ourselves, we shall excite the displeasure of Eng. and these, like every thing else, may be improved, market gradually improves to a price at which slate land, and that to retaliate, she will exclude the raw or may be made. By adopting means adequate to may be again made; but on looking round for hands, the object we shall acquire them.

clude an article of so much importance to her as than thirty-one millions of dollars worth of manu- and elsewhere, and perhaps an entire new set are cotton. She well knows that, by excluding it, she factured articles; and the consumption would be to be learned the trade, the works cleared out, and will advance our manufacturies and injure her own. three times that amount, if they could be obtained every thing commenced anew; and when, perhaps,

> Give to manufacturers protection, and they will mensely, and our works again stopped. home markets for all our agricultural productions.

There exists no natural cause for that result. On ture, or the societies do, towards effecting measures price to much less.

To effect this object, let the average price of the contrary, as they give employment to a greater of such magnitude, opposed by long standing opitarily of people, by enlarging the number of lawtouriety of people, by e ful and innocent pursuits, the natural tendency must be to improve the habits of the people to information relative to arts, processes and trades, from abroad, and let it be enacted, that no foreign virtue. That opinion, however, is not a new one. may be clicited, collected and distributed. The It was insisted upon in England until it led to investigation. On comparing three of the most manufacturing counties with three others, mainly employed in agriculture, it was found that the agricultural counties, in proportion to the number of people, exceeded the manufacturing cousties in pappers in those counties that, "contrary to the generally received opinion, the number of papers in those counties chiefly agricultural, greatly exceeds those counties chiefly agricultural, greatly exceeds those before it. It is the pioneer to almost every public

ductive of the evil consequences predicted; but first to settle upon what are the measures which may be beneficially and safely adopted. They may search keep every body at work, and of course, out of for facts and precedents to illustrate the propriety of mischief. But it would be a useless waste of time those measures. They may support and give effect Either the policy put und by those nations or ours, and words, to attempt to refute or treat seriously, to the measures of government, tending to the fur all the frivolous objections to the introduction and proper protection of manufactures.

They may support and give the content of the governments, who have to the measures of government, tending to the fur is radically wrong. The governments, who have for any length of time conformed to their maxims, have become rich. Uner ours, we have become

It may be useful at this time to compare opinions,

The articles of beer, alc, and porter; cheese, eanlanded interest, from the introduction or growth dles, and tallow, in my opinion, ought strictly to be

To inspire adventurers in the manufacture of arfrom the market, and their works stopped. Their Foreign commerce, from the causes already no- quarries get filled up with rubbish and water, the it is found the old stock have gone off, some in one We now import from abroad, and consume more direction and some in another; some to Michigan,

all the duty, or discouragement which she imposed lation. Obtain the adequate number, and their that, if undertaken, they have no security against vantage to her manufacturers. She has a deep inmense, and much greater than any quantity which
terest at stake, and will continue to receive cotton
we have ever exported. Give to the manufacturers of
it can be done without prejudice to the consumers. from this and every other country where she can other articles the protection which has been given There can be no doubt but that they could and to the coarse cotton-cloth makers, and we shall would supply the market at the average prices soon have the required number of artizans, and which the article would cost the consumers, if there was none to be made here; and it is highly probable It may be asked, what can the board of agricul-that a competition among them would reduce the

The policy and measures contended for, taye in-The board of agriculture and the societies, have trinsic merit, and must ultimately prevail. They are founded on the maxims and policy of the bost prosperous nations of Europe. They come to s with the recommendation of their ablest statesmen. is radically wrong. The governments, who have Agriculture will become the centre for interchanging poor, and the consequences of a reverse of their policy, may be seen in the overty of all the nations ration of measures which may have been adopted, who have neglected the admonitions; among others, we may name Spain portugal, Poland, and poor, and the conseque es of a reverse of their

mited—property may be insecure the geographical or physical condition of the editry may be unfavourable. In this country, we opposed by

none of these difficulties. Our country is rich in suchusetts Agricultural Society, and by the educat-mencement of this show, of which three at least natural productions—with an extensive sea-coast—ed men of the city. This state of things has been were owned by the Trustees. These competitors water falls; and is making rapid advances in artificial canals. Our climate is temperate and salubriousproperty secure-the government, and all its measures, are determined by public opinion, as they ought to be. But, in common with many other countries, we entertain prejudices which are fostered by the agents of foreign commerce, and indidual interests. A great majority of us, are, from education and habit, agricultural. But that class, from their peculiar situation, will be led to the investigation of these subjects. They will not much tures, and demand the attention of their representetives in Congress, to regulate all these matters in such manner as to promote their true interests.

BRIGHTON CATTLE SHOW REPORTS. No. I.

Report on fat Cattle, Bulls, and Bull Calves-Committee, John Lowell, Luke Fiske, and Jeremiah

These public exhibitions for the encouragement of farmers, originated in Great Britain, were soon after adopted in France, and in this country were first introduced by the Berkshire Society in Massachusetts. In the European countries they were used with great moderation. One only in Great Bath and West of England Society occasionally moss expense.

The bulls are miums for ploughing matches. The American farmers, from the nature of our institutions, and the They were from all parts of the country within spirit of rivalry produced by them, were not contented with single shows confined to local districts. As soon as the spirit was excited in Berkshire, it was copied by the parent Society-the of Massathey provided the means, with the ad of public benefactors, of an annual cattle show at Brighton. The show at Brighton. to the farming inteest.

We confine ourselves simply to the fact that a whether they lave been of public benefit or not. It is a part of he constitution of human nature, that ed, that such is the state of public feeling with rela-

tion to these Exhibitions.

It was even predicted the last year, that we should never have another exhibition at Brighton, or if we should persist in the attempt, it would be an entire the farmers feel in these shows confined to the exhi-

It is true, that whenever the farmers shall cease to and gentlemen of the met opolis, who, with laudable couraging the show. spirit, first patronized the institution from motives of the most praiseworthy character, would naturally of working cattle entered for the premium, from the merits of other bulls, and do award the first get tired of it. 'The sovelty, to them, was its principal charm. But the great question is, have the farmers lost their inerest in it? So far is this from rivals. Fifteen actually competed; and we are as bull, 14 months old, of the Westminster breed, being true, we stat upon our own careful examination, that the famers, at first viewed these shows with distrust. They did not think them their own. decided one. They were jeadus of the "gentlemen farmers," as

natural productions—with an extensive sea-coast—ed men of the city. This state of things has been good harbours—navigable rivers, with innumerable changing from year to year; and the substantial this year, were from the counties of Norfolk, Midyeomanry, the actual cultivators, have regularly in-dlesex, and Worcester, embracing a territory of creased their support and enlarged their confidence. sixty miles square. We congratulate the ancient There are, to be sure, sewer female visitors, and of county of Middlesex, and the patriotic town of course a smaller proportion of the beau monde. Concord on their unexampled success. We know There is a very great falling off in the multitudes that the Judges were practical farmers, excellent from the city, who expected a day of hilarity and farmers. The numbers of the lots only were given low dissipation; but the visitors from the country to them—the names of the competitors were not have been constantly increasing, while the more so-disclosed to them. We have understood that ber, and reflecting, and intelligent citizens of Boston have continued and will continue, to afford their farmers, because they did not carry all the premivaluable and rational countenance to an institution ums; but they ought to know, that the Judges were longer remain the dupes of cupidity. They will which is useful to the republic in every view, the soon entertain feelings more friendly to manufac most important of which, they are sensible, is the conviction which they produce on the minds of the farmers than those of Sutton. farmers, that their interests are intimately blended with their own.

> Let us recur to the question-are these shows behave no means of exciting them beyond our premiums; we use none-no artificial, extraordinary means. Yet our pens this year were entirely full. The number and quality of the fat cattle has exceeded those of former years, all the circumstances considered. We have had once and once only. overgrown cattle, fed at an enormous expense; but competitors; and that the hon. Mr. Fiske, of Walwe soon put an end to this folly, by declaring that tham entered the lists, managed his own plough, we would not give our premiums to the fattest ani- and though not successful as a competitor, owing mal, but to those which had the most profitable to the extra length of time he took, yet he showed flesh, and fatted at the least expense.

You are therefore no longer to expect a "Mag-Britain, at Smithfield, was an annual one. The nus" and "Maximus" unwieldy animals fed at enor-

The bulls and bull calves were more numerous and finer, in all respects, than in former shows

The report of the hon. Mr. Wettes will shew,

The spirit thus excited, could not be bounded by in this show; an example worthy of his official and that they are al local restraints, and there grang up similar associpersonal character. The great expense he must fed cattle only. local restraints, and there soring up similar associ-ations throughout all Nev England. It is not our have incurred, the inconvenience of sending his dodesign at present to ener into the inquiry, whether mestics to such a distance, and the respect he therethey have, or have pt, been productive of benefit by evinced for these exhibitions, and for the Society, whose show he so much enriched, require our We confine obselves simply to the fact that a most sincere thanks. His only object, we are audeep interest has been excited by these shows, thorized to state, was to enable the public to judge, whether our native stock had not been improved by old the cross of the short horned breed of Great Briexcitement should be followed by a state of indiftain. The fine ox, grass fed, half Denton, exhibitference, ometimes of disgust; and it has been alleged by Mr. White, of Boylston, showed their disposition to early maturity; while the cow exhibited to be equal, at least, to our native cattle as milkers.

But were the proofs of the deep interest which

bition of animals?

feel an interest in these shows they must fall, and as test. When we first began, we could not fill our man having been informed by Gov Lincoln that he they ought at once to cease-their utility depending eight lots in the ploughing match, without the aid of had sent his stock with a view to exhibit the merit entirely upon the zeal of these for whose benefit they Mr. Parsons, Mr. Prince, Mr. Derby, and Mr. Quin- of the shurt horned breed, and without a wish to were designed. It is true also, that the merchants cy, who came forward and solely with the view of en-compete for the premium, the Committee at the

supported pricipally by the Trustees of the Mas- which constituted our whole number at the com- great tendency to fat, on the most profitable parts.

some dissatisfaction was expressed by the Sutton not in any degree influenced by local prejudices. They had no nearer connection with the Concord

The choice was, in truth, one of difficulty-the ploughing was, all of it, excellent. But as citizens, we must feel a pleasure in finding, and the disapcoming tiresome and indifferent to the farmers? We pointed candidates ought to share with us, that pleasure, that good husbandry is not confined to any

one section of our country.

If further proof could be necessary to show the zeal, which our respectable farmers feel in these exhibitions, I would simply add, that the most respectable farmers in Roxbury have been constantly his skill and his conviction of the utility of these trials, by his entering as a competitor. we have shewn, that if these Exhibitions fail, it cannot be attributed to any defect of zeal in the agricultural interest.

No. 1.

The Committee appointed to award the premi-ums for fat oxen, bulls, and bull calves, feel it their that in the department of cows, heifers, and small duty to say, that the late Show was signally rich in stock, the show was superior to that of former the descriptions of stock which came under their cognizance. The fat cattle were very fine, (never finer at this Show, all things duly considered.) and it is a source of great pleasure to the Committee, that they are able to award the premiums to grass

They award the first premium of twenty-five dol-lars, to H. Penniman, of New Braintree, for his grass fed ox, weighing 2398 lbs., 7 years old.

The second premium of twenty dollars, they award to Aaron White, of Boylston, for his grass fed ox, (half Denton,) weighing 2451 lbs., six years

The third premium of ten dollars, to H Penniman, for his grass fed ox, weighing 2198 lbs., 7 years old.

The other oxen offered for this premium were by Governor Lincoln, at Worcester, proved them very fine, as were the two oxen offered by Ward

N. Boylston, Esq., for exhibition only.

The first premium for the best bull had been awarded by the majority of the Committee, to his tion of animals? excellency Gov. Lincoln, for his fine red bull of the Take the working cattle and the ploughing match short horned breed, sired by Denton, but the chairrequest of the Chairman, and in compliance with How stood the case in 1826? Twenty-five yokes the wishes of his excellency, proceeded to consider sured by Gen. Derby, the chairman, and his fellow commonly, and we fear erroneously, called the practical farmers, that the improvement was a most decided one.

They are probably an accidental variety of our own native breed of Devonshire They were jeadus of the "gentlemen farmers," as In the ploughing match we had no less than extraction. They have uniformly carried premiums, they unkindly alled them; and the first shows were twenty ploughs actually employed, instead of eight, when exhibited. Their qualities are compactness, Junior.

now owned by Mr. Jolinson.

lars, they award to Ichabod Stow, of the town of it is under this impression that I shall, in the exe-our southern breshren cultivating more profitable Stow, for a most extraordinary calf of the native breed, above mentioned, the Westminster, whose imperfect reflections upon the condition and prospect, at six months, was 688 lbs., and weight too, pects of the agricultural interests of our district of lation of the northern and eastern states, all combine which was placed on the most valuable points.

calf.

from crosses of the foreign breeds, were very fine, and justify the belief, that they will contribute essentially to the improvement of our native cattle. The fine bull from Denton, exhibited by Jonas Ball—the bull from Holderness, exhibited by Mr. Bur—the bull from Holderness, fairly bull fairly bull from Holderness, fairly bull from Holderness, fairly bull from Holderness, fairly bull from Holderness, fairly bull fairly bull from Holderness, fairly bull fairly bull from Holderness, fairly bull our improvement in horned cattle, to the foreign crosses; and in ten years, we are persuaded, that there will not be a dissenting voice on the subject. Per order,

JOHN LOWELL, Chairman.

ADDRESS OF CUTHBERT POWEL, ESQ.

To the Agricultural Society of Loudon, Fauquier, Prince William, and Fairfax, at their control Fair and Exhibition, held at Middleburgh on the 17th October, 1826.

Gentlemen of the Society,

The lapse of time has again brought round the period of our autumnal meeting, and we once more demand, probably get better? This is an interestfind ourselves assembled, to make exhibition of our ing question, not merely as a speculation on a matimprovements in the stock of domestic animals, in ter involving our future interests, but on the soluour household fabrics and agricultural implements, tion of which should depend our entire continuance and to compare the evidences of our advancement in our present pursuits, or our instant efforts to apprevails in many parts of the world.

and villeins, as the labourers were then called, (or notwithstanding the great extension of our cultivaby other terms equally expressive of their servile tion. It is true, that subsequently to the year 1790, station,) and they were considered little hetter than we witnessed a considerable increase of export, unthe beasts of the plough. Now, villains are found der the stimulus of high prices abroad, but from at least as common in other occupations, and the labour of the hands in the cultivation of the soil is value of breadstuffs, annually exported, had fallen least as common in other occupations, and the labour of the hands in the cultivation of the soil is value of breadstuffs, annually exported, had fallen least as common in other occupations, and the labour of the hands in the cultivation of the soil is value of breadstuffs, annually exported, had fallen least as common in other occupations, and the labour of the hands in the cultivation of the soil is value of breadstuffs, annually exported, had fallen least as common in other occupations, and the labour of the hands in the cultivation of the soil is value of breadstuffs, annually exported, had fallen least as common in other occupations, and the labour of the hands in the cultivation of the soil is value of breadstuffs, annually exported, had fallen least as common in other occupations, and the labour of the hands in the cultivation of the soil is value of breadstuffs, annually exported, had fallen least as common in other occupations, and the labour of the hands in the cultivation of the soil is value of breadstuffs, annually exported, had fallen least as common in other occupations, and the labour of the hands in the cultivation of the soil is value of breadstuffs, annually exported, had fallen least as common in other occupations. merit of having contributed much to the advance ment of our object, yet I trust that the exhibitions of it at home, leaving less in quantity to be sent and of silk may be carried in our ountry, if found

the animal was entered for premium by mistake.

The second premium of twenty dollars for bulls, our common purpose. It is well that men having last crop, a very abundant one, has found consumers they award to the hon. John Welles,* for his Colebs the same interests, should sometimes come together (it is true, at a low price,) without aid from Euroand commune with one another; in the days of pros- pean demand, and with shipments to South Ameri-The third premium of ten dollars they award to perity we may thus communicate the best methods ca lighter than hitherto. This must be attributed. Noah Johnson, of Medford, for a young bull & Co- of extending and securing it, and in times of dis- not solely to the general increase of our population, lebs, originally bred by the hon. P. C. Brooks, though tress, be so enabled to devise the means of mitiga- but to the greater relative increase of that portion tion or relief; or at least, we may lessen by sympa- of it engaged in pursuits, other than the cultivation The first premium for bull calves, of fifteen dol- thy, those evils for which no remedy can be found. of grain. Our growing cities, towns, and villages, country.

Holderness, whose general character he exhibited. felt the influence of the extreme depression of the must be acknowledged, brings in this way some re-The third premium of five dollars, they awarded farming interests, and year after year, we have turn, however inadequate at present, for the high to Eliphalet Baker, of Dedham, for a native bull been hoping, without any definite grounds on which prices paid for it, and however slow in its operation. to rest that hope, that some change would take In one other mode also does it operate in a degree The Committee would remark, that the stock place to improve our condition. Disappointment beneficially to the grain growing country. The denap-the excellent specimens from Denton, Coelebs, Our wheat and flour, for many years, owing to the for those, who from locality or peculiarity of soil, and Admiral, exhibited by Mr. Prince, Mr. Welles, commotions of Europe, found a constant demand may still give a preference to the cultivation of and Gov. Lincoln, all shew that we owe much of in that quarter, and which was continued from the wheat. That this promises in time, an important dipartial failure of their crops for some years after version of land and labour, especially in situations the restoration of peace. But for a considerable more remote from market than ours, may be derivtime past, that portion of the world has ceased to ed from the facts stated in the treasury report, shewrequire supplies from us, whilst the home market, ing, that in the last fiscal year, the imports of raw together with the limited demands of South Ame-wool from foreign countries amounted to more than rica and the West Indies, have been insufficient to half a million, and the foreign manufactures of wool preserve us from the depression we have been made to near eleven millions of dollars. As the populato experience. And here, it is natural and proper tion of our country increases too, (and how rapid for us to reflect and inquire—have we rational is its increase!) less and less reliance will be had grounds to expect relief from these difficulties, and upon the wilderness for the rearing of stock, and from what quarter? The wants of Europe we can more and more of the inclosed lands be given to not rely upon, they may, or they may not come to that object; and in this will be found another opeour aid, and it would be unwise to rest upon so pre- ration favourable to the price of grain. How large carious a contingency.

Will the home market, without further foreign in the skilful cultivation of the soil. How interesting the occasion, how important the object! What to other objects, according to our local position and wheat market in its lowest state of depression, and is there that can give more ration: I pleasure to the the nature of our soil. In forming an opinion upon mind of any one, than the reflection, that by his this subject, we shall derive much aid from the reown example, or by his excitement of others, he has ports of the treasury department exhibiting the exbeen enabled in some degree, to extend the profits, ports of the United States since the establishment causes alluded to, until the products of our land to cheer the labours, and elevate the rank of that large portion of the human race, whose occupation it is to till the ground for the sustenance of the labour shall be brought to an equality in point that the wheat and flour sent abroad in the year of profit, with those of other parts of our common it is to till the ground for the sustenance of the labour exployed. whole family of man? A portion of society which ports of the same articles in 1824, whilst the export in the other pursuits of life. If then, I have not the progress of liberty and the general diffusion of of Indian corn, within this period of 34 years, had been led, rather by my hopes than my reason, in knowledge, wherever found, have rescued from that actually fallen off one million, three hundred thought the suggestions which i have offered, it would seen, state of degradation, to which they were once so sand bushels. In fact then, whilst the population of I think, that in this district of country we are not extensively condemned, and which still unhappily the United States had increased from four millions called upon by circumstances to make any radical to eleven, an actual diminution of the export of change in our agricultural staples; but relying still In former times, the earth was cultivated by serfs grain had at the same time taken place, and this, tlemen, that we cannot yet claim to ourselves the sulting from the joint operation of the fall of the there is no doubt of the fitness of our soil and clion the present occasion will afford proof of some abroad. An important inference from these facts is profitable, is sufficiently guaranted by the facts. progress therein, and an extension of zeal amongst clearly deducible, namely, that the internal consumpour brother farmers for an effectual co-operation in tion of the country is so growing upon the supply, United States in the last year, was new two millions

to produce the effect we witness. The exorbitant The second premium of ten dollars, to Levi In that portion of the United States devoted to bounty we are made by the U. States tariff to pay, Howes, of Franklin, for a bull calf, one quarter the culture of grain, for some years past, all have for the promotion of American manufactures, it a portion of a country may be advantageously devoted to pastrage, may be learned from the fact as mentioned by Sir John Sinclair, that of the 18 millions of acres in Scotland, 15 millions are employed in the maintenance of stock.

From these considertions, gentlemen, I have thought we might derive some consolation, and justify ourselves in the belief hat we have seen our that we have some reasonable gounds for the expectation of a moderate and stabe improvement, which must progress under the operation of the upon grain and pasturage, should give to each that relative portion of our gounds to which we may be admonished from time to time by the indications of

the market,

Whilst we mainly rely, hovever, upon these, it will that the value of foreign wines impreed into the *Mr Welles has declined receiving this premium, as that we must every year become less and less dependent of dollars, not quite half the value of a resports of breadstuffs; whilst the imports of foreign demand for a market. A position which breadstuffs; whilst the imports of foreign silks for finds confirmation too in the circumstance, that our domestic consumption, amounted to moe than 72

breadstuffs shipped from the United States within carry the commissioners, engineers, hands, tools, the same period. If, then, we are not called upon &c. The boat is designated by the name of "Genthe same period. If, then, we are not called upon &c. by prudence to make any radical change in our eral Jackson," in large capitals, painted on the side. agricultural staples, if no new roads to wealth as yet well defined, allure us to desert the beaten track, within our state, will be completed by the meeting it only remains for us to secure our independence by a strict economy in our expenditures, and an in- ings will be made by Messrs. Hyde, M'Mcens, and and may afterwards be placed on the best bed. creased production from improved cultivation. Are Wilson. we in the way to the attainment of this desired improvement?

Whilst we have, as I think, some evidences of the advancement of the theory and practice of agriculture amongst us, we have all yet much to learn, and much to practice of what we know. It is greatcommon view more frequently, the result of the most successful experiments made amongst us. Written communications descriptive of such, would be the most valuable contributions that could be made to the society, and to this useful service I ear-

nestly invite your attention. There is one thing we should all bear in mind, that in these times no man can afford to farm badly. The best management is necessary to success; nor should any landholder content himself with a system which does not embrace within its practice, not only the means for present production, but those also which may be efficient to secure progressive permanent improvement to the soil itself, until it shall have attained the desired extent of fertility. For the accomplishment of this desirable object, I can only remind you, that the preservation and application of barn-yard manure, and the turning un der of green crops, must be our main reliance; and I consider the increasing attention to those means, as the strongest indication of our agricultural improvement.

may derive from science, the life of the husbandman is a life of labour, and we must be content to take it as such, with the reflection, that it is a useful, bealthful, honest labour. It is not exactly with us as with our first parents, as described by Milton:

"They sat them down, after no more toil, Of the sweet gardening labour than sufficed To recommend cool zerayr, and made ease

We, must take a little more of the toil, and less of the zephyr. The earth is no longer a paradise, nor man the innocent and happy tenant; but we are yet taught what we should all remember, that whatever approximation we are to make to the enjoy ment of Eden, is to be attained by the diligent culof the viriues of the heart. If by these we cannot boast a "paradise regained," we shall at least be secure of our fair portion of that bliss, which is afforded by the world in its present condition.

[Genius of Liberty.

INTERNAL IMPROVEMENT.

Harrisburg, Oct. 27, 1826.

The Susquehanna commissioners arrived at this place the day before yesterday, on their passage to after bloom, though perhaps more hazardous, is to the Maryland line, having completed the surveys of keep the bed airy, and rather dry, till the stems and tomed boat, on which they have placed a building, months; the bulbs are then to be taken up, cleaned don, by carefully imitating the Dutch compost, as demeasuring thirty feet in length, and fifteen in width, from the fibres, soil, &c., and preserved in sand or in which they cook and cat their victuals, stow away papers as before directed. their baggage, take their sleep, and shelter them-

The whole of the survey of the Susquehanna, of the legislature, when a report of their proceed-

TONNAGE OF LAKE CHAMPLAIN.

The American vessels employed in navigating Lake Champlain, are no less than 213-tounage, 12,000. And it is stated, that previous to the openly to be desired that we could have presented to our ing of the Northern Canal, there were but about 20 teen times, nor is it ever known to die merely with vessels on that lake. The tolls at Whitehall, for age this season, already amount to about \$40,000.

LADIES' DEPARTMENT.

HYACINTHS.

(Concluded from page 270.)

A bed of hyacinths never requires to be watered at any period; the rains that happen after planting are generally more than sufficient, both for the roots produce offsets, and will never recover itself, so as and the bloom; and after the bloom is over, they to flower again; as soon as the operation is performare rather prejudicial than otherwise, except when very moderate.

sents and exhibits the bloom to the greatest advan- after. tage, yet it evidently has a tendency to weaken and injure the bulbs, and ought not, therefore, to be atmosphere; of consequence it succeeds best on the continued more than two or three weeks at most; sea coast, or in situations very near to the sea.* In but as soon as the general bloom declines, the bed more inland parts, it will generally be found necesshould be immediately exposed to the open air, and sary to procure an annual reinforcement of fresh the mats and hoops should be replaced, as before, imported bulbs, in order to make good, or supply to keep off heavy rains.

> following manner: as soon as the plants begin to put Those who are well acquainted with the hyacinth, fibres, &c. attached to it; they then place the hulbs corps de reserve, in narrow deep pots, which, at the again on the same bed sideways, with their points commencement of bloom, they plunge or sink into towards the north, and cover them about half an the bed, wherever a vacancy, or weak, sickly plant inch deep, with dry earth or sand, in the form of a makes its appearance; by which means the uniformiridge, or little cone, over each: in this state they ty and regularity of the bed is preserved, without remain about three weeks longer, and dry or ripen any visible defect or alteration. gradually; during which, as much air is admitted as their loose skins taken off, with such offsets as may management. be easily separated.

in dry sand, where they remain till the return of of them in a collection. the season for planting.

Another, and less troublesome mode of treatment the river from the New York line to this town. foliage appear nearly dried up or consumed; this They had erected, in Bradford county, a flat bot-will seldom happen to be the ease in less than two

Offsets may be planted a few days earlier than selves in stormy weather. When they are unable the large roots, in an open part of the garden, in to employ the level, the engineers, Mr. Treziyulney rows about two inches deep, upon a bed raised six and Hines, occupy a portion of the room as an office, or eight inches above the common level, consisting in which they make their calculations, &c. It draws of a sandy soil, comminuted, or pulverized, eighteen but about two inches of water, and is really a cominches deep; the surface of the bed should be made bulbs from the attacks of the insects.—Hort. Trans. vol. fortable conveyance, and is a very great saving to rather convex or rounding, so as to throw off heavy iv. p. 166.

millions, or 50 per cent beyond the value of all the the state, compared with wagons or carriages to rains; no further attention is necessary, except to stir the surface of the bed occasionally, keep it free from weeds, and preserve it from very severe frost. The proper time to take up, &c. is already pointed out, being the same as for large roots.

Offsets, if preserved in health, will bloom weakly the second year; but by the third, tolerably strong,

Such roots as have attained the age of four or five years, bloom stronger in this country than any other, they afterwards gradually decline, either by dividing into offsets, or diminishing in size and strength but in Holland, owing to the peculiar circumstances of the soil, climate, situation, &c, the same bulb has been known to produce bloom twelve or thir-

Hyacinths are subject to various diseases, arising from different causes; that distemper, commonly known by the appellation of the ring sickness, is of all others the most dangerous, and most difficult to cure; in short, the only effectual remedy is to cut out the diseased part, till no brownness, yellowness, or other symptom of distemper remains. The sound part will survive the operation, if it consist of no more than the outside tunick of the bulb, without any heart; but it will, in such ease, only be able to ed, the wounded part should be exposed to the sun bry moderate.

Although covering in the manner described, prewill be best to replant it in some dry situation soon

The hyacinth delights in a sandy soil and saline more inland parts, it will generally be found necesthe deficiencies arising from the loss, or impaired It is the practice in Holland to take up the bulbs health and strength of many of those that have about three weeks or a month after bloom, in the bloomed on the best hed the preceding spring. on a yellowish decayed appearance, they take up always allow about one bulb in twelve to fail, notthe roots and cut off the stem and foliage close to, withstanding no visible blemish or decay is discernor within balf an inch of the bulb, but leave the ible at the time of planting; such generally have a

Single hyacinths are held in less estimation than possible, but the bed is preserved from heavy rains. full or double ones; their colours are, however, tivation of our fields, of our mental faculties, and and too hot a sun: at the expiration of this period, equally good, if not superior, and their bells, though the bulbs are taken up, and their fibres, which are small, are more numerous; they are more hardy, become nearly dry, gently rubbed off; they are then and may be planted a week or two before the double placed in a dry room for a few days, and are after-sorts, by which means they will bloom two or three wards cleaned from any soil that adheres to them, weeks earlier than the latter, with the same kind of

> The whites and blues amongst these single sorts When this dressing is finished, the bulbs are are possessed of better properties than the reds; it wrapped up in separate pieces of paper, or buried is, therefore, advisable to have a greater proportion

> > Single hyacinths produce seed, which is very rare-

* The Hoo. and Rev. William Herbert, in a valuable paper on the culture of a hyacinth, published in the Horticultural Society's Transactions, vol. iv. considers that every nurscryman, in the neighbourhood of Lonscribed by St. Simon, (see note to page 269, Am. Farmer,) may produce hyacinth bulbs equal, if not superior, to those imported from Holland; though, perhaps, with greater loss from disease, owing to the difficulty of procuring neat's dung from stall-fed cattle, and quite free from straw. Hyacinths and the harder ripe bulbs, be

ly to be procured from double sorts, and the follow ing is the most approved method of raising and cultivating it; but it is scarcely worth attempting in like one regular pyramid of bells. [Flor. Dir'y. this country, as its progress is so slow, and success in ultimately obtaining any valuable flowers is so

extremely precarious.

The seed should be saved from such sorts as have strong and straight stems, and a regular well-formdry, airy, cool situation, where it may remain unwarm situation during winter. It will never require will be realized or disappointed. He may think himself fortunate, if one half of the plants that first apobtained with any certainty by the use of earth. peared, are in existence at this period; and if he can at last find one flower in five hundred deserving a name or place in a curious collection, he may rest perfectly content, and be assured that he has fared as well as could reasonably be expected, and better than many who have bestowed equal attention on the subject.

A DESCRIPTION OF THE PROPERTIES OF A FINE DOU-BLE HYACINTH.

The stem should be strong, tall, and erect, supporting numerous large bells, each suspended by a short and strong peduncle, or foot-stalk, in a horizontal position, so that the whole may have a compact pyramidal form, with the crown, or uppermost bell perfectly erect.

The bells should be large, and perfectly double, i. e. well filled with broad and bold petals, appearing to the eve rather convex, than flat or hollow: they should occupy about one half the length of the

The colours should be clear and bright, whether plain red, white, or blue, or variously intermixed and diversified in the eye; the latter, it must be con-fessed, gives additional lustre and elegance to this beautiful flower.

Strong bright colours are, in general, preferred to such as are pale; there are, however, many rosecoloured, pure white, and light blue hyacinths, in

high estimation.

Some sorts consist of petals of different colours, such as light reds, with deep red eyes; whites, with rosy, blue, purple, or yellow eyes; light blues, with deep blue or purple eyes; and yellow, with purple in the eye, &c.; others again have their petals striped, or marked down the centre, with a paler or

deeper colour, which has a pleasing effect.
It sometimes happens, and with some sorts more frequently than others, that two stems are produced from the same root, one is generally considerably taller and stronger than the other; when this is the case, the weaker may be cut off near the ground, soon after it makes its appearance, or suffered to

bloom, and its bells be intermixed with the lower

FLOWER POTS FOR ROOMS.

At a late meeting of the Horticultural Society, on the 6th inst, a paper was read upon the manner of ed pyramid of bells, not perfectly single, but rather the 6th inst, a paper was read upon the manner of semi-double. It should not be gathered till it has cultivating plants in pots filled with moss only, and become perfectly black and ripe, at which time the not mould. It appeared that the method to be purpericarpium will appear yellow on the outside, and sucd, was to fill a pot with coarse moss, of any kind, will begin to open. The stem, with which the seed in the same manner as it would be filled with earth, is connected, is then to be cut off, and placed in a and to place a cutting or a seed in this moss. The secretary was understood to say, that he was well disturbed till the time of sowing, which is the latter acquainted with the practice, and that it succeeded admirably, especially with plants destined to ornathen be sown about half an inch below the surface of the soil, in a deep box filled with good sound grown in moss, were stated to thrive better than if garden mould mixed with sand, or the hyacinth they were in garden mould, and to possess the very compost, which should be afterwards placed in a great advantage of not causing dirt by the earth not warm situation during winter. It will never require washing out of them when watered. For transportation, plants rooted in moss were said to be better to be watered, or have any other attention paid to it, than to keep it free from weeds and frost, till it adapted, on account of their lightness. In short, has remained in this state two years; it must then, the method was declared to he in all ways excel-on the approach of winter, have an additional stra-lent. The explanation of the practice seems to be on the approach of winter, have an additional stra-tum of the compost placed upon it, about half an this: that moss ramined into a pot, and subjected to July, the roots may be taken up, dried, and treated decomposition, when it becomes a pure vegetable in the same manner as described for large hulbs or mould; and it is well known that pure vegetable offsets; some of the roots will flower the fourth year, mould is the most proper of all materials for the one half of them will at the fifth, but, by the sixth growth of almost all kinds of plants. The moss year, every healthy root will exhibit its bloom, and would also not contain more moisture than precisethen the hopes and expectations of the cultivator ly the quantity best adapted to the absorbent pow-

[London paper.

SAD RECOLLECTIONS.

(From the N. Y. Gazette and Athenæum.) Say, is the form we lov'd so well Pent in the narrow lonely cell,

To worms a prey? Has death, so cruel and so cold, Hidden within his icy fold
That heart? ob say.

I never can forget that form, That feeling heart, so kind, so warm, And so sincere.

That cheerful smile which did impart Its mildest influence on my heart-That gen'rous tear.

I saw disease with loathsome smile, Hovering o'er her for awhile.

When pale decay, With poison'd arrows, sent hy death, Assail'd her, and her vital breath Fled fast away.

I saw her on the bed of death-I heard her last, her dying breathl clos'd her eve.

I saw her feeble pulse decay, I watch'd it till it ceas'd, for aye-Oh! agony!

I laid my head upon her breast-Her clay-cold lips in anguish prest:

I wept aloud.

But keenest grief could not avail,
To warm her cheek so cold, so pale.

And oh, that shroud!

I saw them place her on the bier-Then flow'd the sorrow-starting tear From every eye. I heard the sullen church yard bell Tolling its saddest funeral knell In you bright sky,

And then my callous heart did ache; In agony did almost break, For that lone one Who own'd affliction's chast'ning rod. And in his grief exclaim'd, "My God!

Thy will be done."

Her children with their sire so sad, In death's own sable vestments clad, Were lowly bow'd; I heard their agonizing cries. Their mournful heart-wrung sobs and sighs, Frequent and loud.

Her aged father felt the stroke-No tear he shed, no word he spoke, But deeply griev'd. He bade affection's voice be still, And bowing to his Maker's will, In him believ'd.

Her num'rous friends dropp'd o'er her bier The farewell tribute of a tear, Then turn'd away And now her beauteous corse is laid

Beneath the weeping-willow shade, In house of clay.

The scene is past! and oft alone, I love to gaze upon the stone That marks her bed. I love to gaze upon that tree, Its branches wave so mournfully Over her head.

And oft at midnlght's silent hour, Fond memory exerts her power, While others sleep. And is there not a "joy in grief," When tears afford some small relief? Yes, let me weep.

But while her corse, within the tomb, Shrouded in solitary gloom, Fast mould'ring lies. Her spotless spirit lives in bliss, Thron'd with its God, and bappiness, Beyond the skies.

CLEONE.

SPORTING OLIO.



TATTERSALL'S.

(From the Farmer's Chronicle, Eng.)

Thursday.—The betting to-day was very slack, although several of the leaders of the betters were in attendance. The horses chiefly noticed, were Monarch, Bolivar, and Parasol. The former is still advancing, while the other two decline. No alteration in the odds on the St. Leger.

DERBY -6 to 1 against Monarch; 10 to 1 against Bolivar, 16 to 1 agst. Cedric; 20 to 1 agst. Zuleika; 25 to 1 agst. The General; 18 to 1 agst. Tredrille; 20 to 1 agst. Twatty; 25 to 1 agst. Canvass; 20 to 1 agst. Sophist; 20 to 1 agst. Advance; 20 to 1 agst,

Grammane; 25 to 1 agst. Pranks.
OAKS.—7 to 1 against Pawn; 9 to 1 agst. Henry; 9 to 1 agst. Moses; 12 to 1 agst. Parasol; 14 to 1 agst. Bo-Peep; 15 to 1 agst. Elizabeth; 12 to 1 agst. Mignonette; 15 to 1 agst. Quadrille.

TROT'TING MATCHES.

(From the Farmer's Chronicle, Eng.)

The Melton Mowbray horse, Forrester, lost his match of two miles for 500 sovereigns a few days

ago, on the flat approaching Nottingham. The task was to trot the two miles in three minutes and days, over four miles of ground, at Rippon, was de four seconds, but the time was out when the horse was fifty yards from home.

Tuesday, two gentlemen of Glasgow laid a considerable bet to trot their own horses a distance of nine miles. One of the riders weighed 17 stone, the other only 1t. The lightest rider, however, on the previous evening, judged it proper to decline the trial, and forfeited stakes. The other gentleman was on the ground at the appointed time, and was backed to trot the nine miles in 36 minutes. This he accomplished in fine style (his mare never three to spare. About 30 horses started, same time, at full gallop; but only four were able to keep up race bought the mare next morning for 80 guineas, and declares that he would not now take 100 gui neas for her.

On the 10th of December, a hay horse, the property of a gentleman in the borough, started to trot, in harness, twelve miles in 50 minutes, for 200 sovereigns, and won cleverly by a minute and a with two seconds to spare. [Annals of Sporting.

made a match last week for 200 sovs to drive a pair of that noble animal, is truly wonderful. of horses (not confined to a trot,) in a phæton, from Barham Downs to the Borough Stones, computed 56 miles, in six hours, started on the task on Tuesday morning. He performed ten miles in the first hour, and ten and a half in the second, when the bets were drawn, and the horses well rubbed down: this time included, half the distance was accomplished in seven minutes less than half the time. The horses performed eleven miles in the third hour. and were again fed eleven miles from home. The match was won very easily with more than eight minutes to spare; and our informant states, that the horses in a few hours could have gone back again in the time. [Farmer's Chronicle.

RACE AGAINST A COACH .-- A groom, of the name of Edwards, was matched to run, on Saturday morning, Nov. 8, eighteen miles in less time than the Bath Regulator coach. The coach performed the eighteen miles, changing twice, in two hours and eight minutes. The pedestrian did his task with great ease, in five minutes less than two hours.

[An. of Sporting.

PEDESTRIANISM .- Walter Woods, who lately performed two miles in ten minutes, over a part of Epsom race course, started, on Tuesday, December 9, at four o'cluck, to go on foot from London Bridge to Rye, in Sussex, and back, in forty-eight hours, the distance t26 miles, over a hilly country pedestrian is five feet in height, and weighs nine stone. His first start was to Seven Oaks-Common, 24 miles, in four hours, where he ate a boiled fowl, and rested an hour. He dined off mutton chops at Hawkhurst, Kent, (46 miles.) at three o'clock; laid down two hours, and resumed his journey leisurely. He rested at Rye, at nine in the evening, and returned back to Sandhurst, where he slept four hours, and left himself the remaining fifty miles to where he was confined, the following lines: do in sixteen hours. He reached Seven Oaks, at eight o'clock, on the Wednesday evening, and finally won the match, without much fatigue, with twenty minutes to spare. The match is considered fuse, thusequal to 75 miles per day on picked ground. It was for 100 sovereigns. Ulb.

Mr. G. West's match to perform 600 miles in ten the sense would have implied that the keeper was cided at nine o'clock on Saturday evening. He started on Thursday se'nnight, and did each day as follows: 1st day, 65 miles; 2d, 62; 3d, 59; 4th, 58; 5th, 64; 6th, 62; 7th, 56; 8th, 55; 9th, 57; 10th, 63—total, 601. The match was accomplished with little fatigue, except on the 7th and 8th days, after which the pedestrian recovered of blisters on the feet, and did the last day's work in eighteen hours. He would have been beaten had his engagement been to do sixty miles on each day.

IRISH WARRANTY-a moral distinction. An Irish once breaking into a gallop,) in \$3 minutes, leaving horse dealer sold a fine blood mare, warranting her without fault. The purchaser, on her being sent bonie, found, upon examination, that the sight of with him the whole distance. The umpire at the one of her eyes was quite gone. Next day he waited upon the dealer, desired that she might be taken back, and the purchase money returned, reminding the seller that he had declared the mare to be without fault. "To be sure, my dear, I did," replied Paddy; "blindness is not the poor creature's fault, but her misfortune."

The American roan started on the same the Ship inn, Crediton, Devon, in his service eleground, to do one mile in three minutes and six ven years and a half, which travelled post from this seconds, upon the trot, for 50 sovereigns, and won, town to Hatherleigh, and which was lately sent to the kennel, has, upon a rough calculation, gone upwards of 74,000 miles in the above space of time. CHARIOTEERINO.—Captain Hubert Webster, who This instance, alone, of the strength and endurance had consequently been, when taken up, not less

HUNTING SONG.

'Tis true, when first the rosy dawn Leads on the sprightly day Along the copse or cross the lawn, We trace the devious way; From ev'ry hill and grove around, By sportive echoes borne. We catch the soul enliv'ning sound, The madness of the morn.

Now o'er the crag, abrupt and steep, The mettled coursers strain, Now brave the rough descent, and sweep Impetuous to the plain; Now leap the mound, and urg'd amain, In speed outstrip the wind, While panting care pursues in vaia, And sorrow lags behind.

When evening sheds the pleasing gloom, To calmer scenes restor'd, We greet with songs the genial room, And hait the festive board: By wine, and wine's free joys engross'd, The happy minutes roll, Here love and wit inspire the toast, And friendship guards the bowl.

MISCELLANEOUS.

PUNCTUATION.

as it may seem, it is certainly fact, that the unfortunate King Edward II. lost his life by means of a misplaced comma; for his cruel Queen, with whom

> "To shed King Edward's blood Refuse to fear, I count it good."

Had the comma been placed after the word re-

"To shed King Edward's blood

commanded not to hurt the King, and the remainder of the line-

"To fear, I count it good,"

would have signified that it was counted good not to spill his blood: but the comma being wickedly placed after the word fear, thus-

"To shed King Edward's blood Refuse to fear,

the murderer seemed commanded, together with a kind of indemnification to the keeper; nay, after this mode of pointing, the remainder of the lines seem to deem the action meritorious:

"I count it good."

According to the punctuation, the keeper took the lines in the worst sense, and the King lost his life on the occasion.

SWIMMING.

The New London Gazette mentions, that a few days since, Capt. P. Rogers, in the sloop Swift, off Oak Neck, bound to New York, three miles from the land, at 8 o'clock in the evening, discovered an ox, hove to, and the ox swam alongside the vesssel. A horse, late in the possession of Mr. Spurr, of Tackles, &c., were rigged for the purpose of hoisting him on the deck, in doing which his neck was broke. He proved to be very fat. Capt. R. on arriving in this city, met the owner in the market, who informed him that the ox had jumped out of a market boat, at 8 o'clock the evening before. He than 24 hours in the water, and was apparently in full strength at the time.

LOVE APPLES.

An ingenious mode has lately been discovered in Spain of preserving for an indefinite time, the per-fume and other qualities of the tomato, and of conveying it to great distances in a small compass. This process consists in pulverizing the fruit after having dried it in the sun, and in an oven. To preserve the powder, all that is necessary is not to expose it to the air.

Маммотн Ротато.—A sweet potato was lately dug from the garden of Mr. Wm. Mackey, of Talbot county, measuring in length 112 inches, in circumference 15 inches, and weighing 32 pounds!

RECIPES.

BREWING.

The London Mechanic's Magazine gives the following instructions for brewing "on a small scale."
"The art of brewing is exactly similar to the process of making tea. Put a handful of malt into a tea pot; then fill it with water, the first time ra-ther under boiling heat. After it has stood some time, pour off the liquor, just as you would tea, and fill up the pot again with boiling water; in a similar manner pour that off, and so go on filing up and pouring off, till the malt in the pot is tasteless, which The importance of a misplaced comma. -Amazing The liquor, or malt tea, thus extracted, must then be boiled with a few hops in it; and when it becomes cool enough, that is, about blood heat, add a little yeast to ferment it, and the thing is done. This is he was at variance, sent to the keeper of the prison, the whole art and process of brewing: and to brew a larger quantity, requires just the same mode of proceeding as it would to make a tea breakfast for a regiment of soldiers. A peck of malt and four ounces of hops will produce ten quarts of ale, better than any that can be purchased in London; and for which purpose a tea-kettle and two pan mugs are sufficient apparatus."

TY, OR THE COLOUR LOOKS FADED.

For a silk dress, your own discretion must be used, whether the silk can be roused, or whether it about 100 feet on Market or Baitmore-screet, and 22 requires to be re-dyed. Should it require re-dyeing, this is done as follows: for a gown, boil two ounces of logwood; when boiled half an hour put in your silk, and simmer it half an hour, then take it out. and add a piece of blue vitriol as big as a pea, and parlours on Hanover-street, and on Market-street for a piece of green copperas as big as the half of a families (private entrance of Market-street, distinct horse bean; when these are dissolved, cool down the from the hotel,) are elegantly furnished, and the chan-copper with cold water, and put in your silk, and bers attached to the n for privacy, convenience and fursimmer half an hour, handling it ov v with a stick; fully justified by public house. The undersigned is wash and dry in the air, and fluish as directed in page 207. If only wanting to be roused, pass it through spring water, in which is half a teaspoonful of oil of Thursday and what it ever was. vitriol. Handle in this five minutes, then rinse in cold of life, essential to the convenience and full enjoyment water, and finish as above.

OF SILKS STAINED BY CORROSIVE OR SHARP LIQUORS.

We often find that lemon juice, vinegar, oil of vitriol, and other sharp corrosives, stain dyed gar ments. Sometimes by adding a little pearl ash to city, so he hopes by his efforts, correspondent to his or and case of the rand passing the silks through these, other exertions, to meet public expectation and the a soap lather, and passing the silks through these, the faded colour will be restored. Pearl ash and warm water will sometimes do alone, but it is the most eilleacious method to use the soap lather and pearl-ash together.

TO DRY-CLEAN CLOTHES OF ANY COLOUR.

First, examining where the spots of grease are. dip your brush in warm gall, and strike over the greasy places, when the grease will immediately disappear; rinse it off in cold water; dry by the fire, then take sand, such as is bought at the oil shops, and laying your coat flat on a table, strew this sand undersigned has made to merit public patronage, and over it, and knocking your brush on it, beat the sand into the cloth: the sand should be a little damp; blishment equal to any in the Union in all respects; his then brush it out with a hard brush, and it will then brush it out with a hard brush, and it will known moderate charges, combined with the fine public bring out all the filth with it. This does also for location of the house, situated on two beautiful and spacoach linings and gentlemen's clothes, &c. In the summer time, when dust gets into clothes, &c. after they have been well shaken and brushed again, pour they have been well shaken and brushed again, pour a drop or two of the oil of olives into the palm of the oil of olives into the oil of olives into the palm of the oil of olives into the palm of the oil of olives into your band, rub this over your soft brush, strike your coat over with it, and this will brighten the colour, if either blue, black, or green.

REMARKS ON SCOURING WOOLLENS.

It often happens that woollens are dyed with a false dye, which is generally more brilliant that a fast or good dye. When this happens to be the case, especially in very fine colours, as purples, greens, maroons, &c., instead of spotting the cloths with soap in the solid state, other means must be used. A thin solution of soap should be made, and the brush dipped in, and then applied to the dirty places; and in case it is a false green, after it has been treated the same as all light colours, a pan should be filled half full of spring water, and the coat, &c. having been previously well rinsed in two waters at least, a tea spoonful or rather more of the be delivered in Baltimore at \$500, and warranted best oil of vitriol, should be poured into this vessel of sound, healthy and vigorous, and of as perfect symmetry spring water, and the coat put in and handled a mi- try as any horse that can be found in the city. nute or two, which will revive the colours, if a chemic green; and if not, it will not hurt any fast green.

FARMER.

BALTIMORE, FRIDAY, NOVEMBER 17, 1826.

of making extracts, as we had proposed.

number was put to press.

FOR DIPPING BLACK SILKS WHEN THEY APPEAR RUS- INDIAN QUEEN HOTEL, AND BALTIMORE HOUSE.

This celebrated and extensive Horet, containing feet on liamover-street, and formerly occupied, succes-

The other accommodations, comforts, and luxuries of the traveller, such as a clean house and chambers, attentive servants, and all that is embraced in a good table, &c. The undersigned flatters himself, as he has not hitherto been "found wanting," in any of these important requisites, in his former establishment in this partiality of his patrons in these, and in all other re-The Stables and Carriage Houses are extensive and conveniently situated, on an adjoining lot; attentive, experienced and trusty Hostlers are employed. The Western, Southern, York and Philadelphia Stages are permanently fixed to run from the old established Stage Office attached to this Hotel. An attentice and trusty watchman is employed, during the night, to guard the interior of the house One of the bar-keepers will be in readiness to attend to gentlemen arriving in the steam boat, and facilitate their departure at any hour when required. The extraordinary exertions the to meet the views of his friends and the friends and patrons of the house; his determination to keep the estacity, (Market-street,) induce him to hope for a con tinuance of the very flattering testimony of public favour, which he has already been honoured with, under eireumstances (while cleaning, painting, altering, &c. which demand the most grateful acknowledgements o the public's most obedient servant,

FOR SALE,

G. BELTZHOOVER, Ag't.

A beautiful young STALLION, four years old las spring, upwards of hiteen hands high, and of beautifu symmetry and fine action for the saddle and harness the is by Governor Wright's Silver Heels, out of a Arabian Dey of Algiers' mare, and is considered ful hred, or so nearly so, as to answer for a stock horse fo any purpose but that of the turf, never having bee

He is of a beautiful pale cream colour, with legs mane and tail a little grey; and to save trouble, he wi a splendid military parade horse. Reference, hy per mission, may be made to the Editor of this paper.

Nov. 6th, 1826.

Nov. 17.

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Memoir on the expediency and practicability of in proving and creating Home-Markets for Agricultura productions and Raw Materials, by George Tibbits, cor cluded-Brighton Cattle Show Reports, No. 1, on fi cattle, bulls, and bull calves-Address of Cuthber ex-Upon looking again at Mr. Powel's Address, Powel, Esq., to the Agricultural Society of Loudon we have concluded to publish it in extenso, instead Fauquicr, Prince William, and Fairfax—Improvement of the Susquehanna—Tonnage on Lake Champlain— On the culture of Hyacinths, concluded—Flower Pot for rooms-Poetry, Sad Recollections-Sporting Item To Correspondents.—The Editor has been from English papers-Hunting Song-Punctuationabsent since the last paper was issued, until this Swimming-Love Apples-Mammoth Potato-Brewing -Recipes for Dyeing and cleaning cloths-Editorial.

PRICES GIAPENT

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Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

BRIGHTON CATTLE SHOW REPORTS. No II

The Committee on all other Stock than fat cattle, consisting of Messrs. John Welles of Boston, Joseph Harrington of Roxbury, and Thomas Williams of Noddle's Island-REPORT,

That it was a source of high gratification to find at the Exhibition of the Massachusetts Agricultural Society of this year, a general and marked improvement in the cattle, presented both for premium and They were of such appearance as indi- mium, \$15. cated a judicious selection, with a careful attention and management.

The munificence of the State for the encouragement of the agricultural interests can, we are confident, be in no way more acceptably requited than in results so conducive to the public good.

Certain it is, that the Society, in their labours and the distribution of their funds, wish no higher reward than is offered in the appearance of improvement which the face of the country may present. But although much has been done, there is yet more due to give a full effect to our exhibitions: zeal must be quickened, competition excited, and a greater display made of our flocks, our herds, and having had a calf, to his excellency our products. Can our farmers wish to hold back of Worcester, the first premium, \$12. the recompense they receive from a soil their industry has made fertile and productive?

Much is in their power to make our Show highly interesting, and with the important relation it has to industry and the great staples of New England, we cannot believe they will be urged to exertion

and co-operation in vain.

It was amongst the encouraging circumstances of the day, that the milch cows were of better appearance and more value than heretofore. It is highly important to the objects this society has in view to as well as from judicious selections from our native provement in form and productiveness, as cannot for their future disposition.

The third premium they either mode, as the most beneficial to the country.

The Committee award the first premium for the best milch cow, to Colonel Jacob W. Watson, of

Princeton, \$30.

This was of our native stock-a fine formed aniproductiveness was strongly supported by her own-er, which her appearance fully confirmed. At the age of 25 months she produced her first calf, and for some time after she gave sixteen quarts of milk a day. This year, four weeks after calving, she gave nineteen quarts of milk a day.*

The second premium they award to Mr. Daniel

Weston, of Lincoln, \$20.

The third premiuo, they award to Mrs. S. Cush-

man, of Needham, \$15.

This was also of native stock It was certified that from the milk she had given in seventeen weeks preceding the day of exhibition, more than 12 lbs. of butter a week were made. Her pasture was ordinary, with two or three quarts of meal a day.

There were several other excellent cows exhibit ed, viz: a fine cow of the Rev. Samuel C. Ripley. From this cow's milk over 8 lbs. a week for six

*This cow was sold on the ground for upwards of \$60, thus producing to the owner, with the premium, nearly \$100. This must be encouraging to farmers in months were made. Her keep was however better than common, being 3 quarts of meal and a peck a to G. M. Burre, of Concord, day of carrots.

Doctor Benj. Shurtleff had also a young cow, half Galloway half Coelebs, of great milch properties the day afforded, to see a ram and three ewes of

and promise.

Mr. H. Adams, jr., exhibited an excellent cow, and there were several others which added much to the show, as evincing a general and gratifying im- and were exhibited by S. Henshaw, Esq., of Boston. provement.

Milch Heifers.

The Committee award for the best milch heifer to Captain Wm. Prentiss, of Boston, the first pre-

This was a twin heifer of the Coelebs breed. They both received the premium of the society last successive premiums, endeavoured to introduce. year as heifers not in milk Both were exhibited this year and are of excellent appearance. This distinction as a milch heifer was, it is believed, well merited in the opinion of observers.

The Committee award the second premium to

Col. Jacob W. Watson, of Princetor, \$10.
This was a beautiful heifer from the celebrated bull Denton, imported by Mr. Williams, of Northboro', and much to be admired.

Heifers.

The Committee award for the best heifer, not having had a calf, to his excellency Levi Lincoln,

This was for a much admired red heifer, two rears old, from his own improved stock crossed by

The second premium they award to his excellency for a white heifer called the Lily, of distinguished merit the other premiums.

form and promising appearance.

The Committee were informed, after they had finished the duties of their appointment, that his excellency had intended by the show of his fine 8 dollars. stock, merely to give a variety to the exhibitions, which could not fail from so interesting a display. find that our stock, both from the imported breeds But his wishes were subsequently expressed with as well as from judicious selections from our native berality to the committee, that the preceding pre-cattle, are every year affording proof of such im- miums might be added to the funds of the Society

The third premium they award to H. Allen, Esq.

of Dover, \$8.

For a fine red heifer of native stock.

The fourth premium they award to Dr. Benjamin Shurtleff, of (Chelsea,) Boston, \$6.

For an excellent heifer from the imported bull Cœlebs, which might vie, in the judgment of many, mal, 3 years old, and of valuable properties. Her with some of the preceding, and as to which the

There were a number of beautiful heifers for exhibition by Gov. Lincoln, and several other gentlemen, from the imported stock of Denton, Celebs, Admiral, &c.

Several of these, as well as of native stock, were

offered for premium.

A heifer of Moses Richardson, 16 months old, Weston, of Lincoln, \$20.

This was of native stock—a well proportioned and very productive animal. She calved in April last, and in one week in this month (October,) 113 encouragement to our farmers at a future display.

The Committee recommend that there be paid to Mr. ——, who occupied pen No. 68, \$5 for the suggested those lew particulars by which it might exhibition of a cow with her 7 calves of fair and title so perfected as to give effect and value to the thrifty appearance, all brought in 34 months, viz: twins twice, and three at another time, an instance blish the reputation of their holiday, we think we of fecundity of rare occurrence.

Merino Ewcs.

There were only two flocks of these which came fully within their power. within the rules of the Society; those were five in number each. Though of fair appearance, and nearly equal in the fineness of their wool-yet your committee did not think them so to excel, as to DORCHESTER AGRICULTURAL SOCIETY. deserve the first premium.

to Major Joseph Barrett, of Concord.

They recommend that a gratuity of \$10 be paid

The first premium they do not award.

It was a source of particular gratification which the English new Leicester or Dishley breed of sheep. They were imported at a cost of 86l. 15s. sterling, by Charles Richmond, Esq., of Taunton, It was stated that more than 10 lbs. of clean washed wool were shorn from the ram last spring, and that the ewes averaged 7 lbs. each. This is the full average in England. These sheep give the wool of long staple, which has been thought important to our manufactures, and which the society have, by They may now be disseminated as they may be found useful. They are recommended as of pure breed, correct form, good wool, and great disposition to fatten. With the latter propensity, and their large size, their carcass must be of great value. It is further stated that they are in estimation amongst "the finest mutton sheep of England."

The Committee award to S. Henshaw, Esq., of Buston, for the Dishley or New Leicester ram, the premium of \$15.

For his best Dishley or New Leicester ewe, they award to the same gentleman a premium of \$15.

Swine.

To Silas Dudley, of Sutton, the Committee award the first premium for the best boar, \$12.

There were no other boars that were thought to

For the breeding sows, the Committee award the first premium to Capt. John Mackay, Weston, \$12. The second premium they award to J. T. Floyd,

The third premium they award to Mr. Francis Moore, of Brighton, \$5.

Store Pigs.

For store pigs, the Committee award the first premium to Capt. John Mackay, of Weston, \$10. They were well deserving of it. No other pre-

mium could with propriety be awarded.

The Committee regret, in the last mentioned animal, when by comparison and selection so good effects have been produced, that what our farmers could show has been omitted. So also in Merino sheep; when great prices have been paid for Saxony sheep of late with us, which it is presumed are nothing more than the Merino race improved by careful selection, is it not a matter of wonder that our agriculturists do not take this mode of general comparison at the Brighton Cattle Show? This seems the best that could possibly be devised, to carry into effect the highest possible degree of perfection in this animal, so important to our manufactures. When these ends can be as well and better effected at home, let it be our pride so to act. But not so when otherwise.

The Committee have stated the many improvements in the Show within their department which have been presented this year. They have further suggested those few particulars by which it might like occasions in future.

The agriculturists having done so much to estamay appeal to their good sense not to refrain from supplying these deficiencies, when the means are so

JOHN WELLES, Chairman.

The second Agricultural Exhibition and Fair, of They therefore award the second premium of \$10 the Dorchester Agricultural Society, took place on the 9th and 10th inst. This Society when first or-

the selection of good stock. No. 36, -vol. 8.

agriculturists considered only to have a temporary existence, but the laudable zeal and active exertions of the President and Vice President, aided by a few individuals, have given to it a more permanent cha-

racter and augmented its usefulness.

The exhibition of stock, domestic manufactures, &c was gratifying to every spectator. Their num manufactures, occasioned perplexity in the decision of their superiority and the awards of the committees. At 12 o'clock on the first day of the Exhibi tion, the President, Dr. Joseph E. Muse, delivered an able and very appropriate address on such topics as were pertinent to the occasion. At 3 P. M. the Society adjourned to their room and proceeded to the election of officers, as prescribed by the constitution of the Society.

resign, but in consideration of the unanimous adoption of the following resolutions, he consented to serve another year. The warm interest he always of the Society, and the liberal expenditure of money in agricultural experiments, were the causes of the

following resolutions

On motion of John R. Pitt, Esq the following re solutions were read, and unanimously adopted.

Resolved. That the thanks of this Society be pre sented to the President and Vice President, for the zeal and ability with which they have supported the objects of the Society, and they be considered unanimously elected.

Resolved, That the President Dr Joseph E. Muse, larged scale of introducing cotton as a staple more productive than wheat or corn.

Resolved. That he he requested to prepare a me moir on the culture of cotton, in this state, embracing such collateral subjects as he may think neces-

sary.

On motion of Mr. Pitt.

Resolved, That the President of this Society he requested to furnish a copy of his address for publication in the Cambridge Chronicle and American Farmer.

On motion of Mr. Samuel Lecompte.

esteem, the Treasurer of the Society be, and he is in quest of shelter or browse from the forest: these hereby directed to purchase two silver goblets, and circumstances greatly increase both the care and present them to the President, Dr. Muse, and Vice expense of the husbandman. The amount of found President, Dr. Woolford.

On Motion of Dr. Joseph E. Muse.

Resolved, That the American Farmer, edited by John S. Skinner, Esq. of Baltimore, is entitled to the as early as November. In proportion to the con patrunage of the "Dorchester Agricultural Socie ty," as an able advocate of agricultural interests.

Resolved, That the above proceedings of the So-

American Farmer.

OFFICERS ELECTED FOR 1827.

President.-Joseph E. Muse.

Vice Presidents. - Thomas Woolford, Anthony Manning.

Treasurer .- James Dixon. Secretary.-Luther M. Scott.

Curators.-James Dixon, Wm. V. Murray, William Hughlett, John N. Steele, James Thompson, Joseph Byus, John R. Pitt, William W. Eccleston, The spring and summer are short frusts later of Thomas H. Hicks, Thomas I. H. Eccleston, James Pattison, John C. Henry.

of the Valley was held in this town last week. The ample report of the proceedings furnished by the moment you touch the valley of the Mississippi and Now, without going into detail, I will just state secretary, supersedes the necessity of our giving a its large tributaries, the elements are changed; the matter of fact, which every observing farmer

ganized was confined to a single county, and was by sketch. We refer the reader to it, with the single spring woos her flowery empire within the month remark, that the prospects of the Society never ap- of March; as early even as February the wood vio-peared so bright, and that those who had regarded lets open their delicate blows; the daffodils in early it as an experiment, the ultimate success of which April; the peach blooms in March and April, and was doubtful, have had every fear removed by the have been seen in February; in early May and late general enthusiasm which pervaded the minds of all in April, the earth is clothed in rich grass and heroo the occasion.

ber, variety and excellence, particularly of domestic furnishing a copy of his address for publication, last of June; frosts are rarely injurious after April; This we regret, as it was an able composition, which they have been known frequently in May. ought to be in the possession of every farmer.

[Winchester Republican.

SOIL AND CLIMATE OF THE WESTERN AND ATLANTIC STATES.

(From the Western Tiller.)

The President had publicly declared his wish to of the Atlantic agriculture, are fallacious when ap- or gourd seed, and ripens in September early; its plied to the west. Those who hypothesise by paralyield is one bushel of clean grain to one and a half lels of latitudes in the cis and trans-Allegany re- of ears—the product from fifty to eighty bushels gions, will be greatly disappointed; the estimates to the acre, with comparatively little cultivation. manifested for the advancement of the main objects must be predicated on the longitudinal, instead of To the mild reign of fall and with very little perthe latitudinal scale,

cality. The winds on the Atlantic sweep the shores and relaxing animal libre.

Resolved, That as a testimonial of our respect and the snow often too deep to admit of their roaming required for a due proportion of stock, is both a heavy tax upon the summer's labour and winter's care. It is not uncommon to commence strewing traction of the animal muscle from cold, will be its laxity on the approach of heat; care and due teedciety be published in the Cambridge Chronicle and is sudden and irregular; diseases are common in stock, especially those not well attended: sheep suffer most sensibly If the yearing be a little too early, the young die in great numbers, the dams are feeble, the milk scant and not notritious, if the feeding has been neglected; the winds continue damp, harsh and piercing, and are, if possible, more trying to the yearling than deeper winter. Of lifty lambs, I have trequently known from twenty to thirty lost in the first two days after yeaning; the loss is not, perhaps, often as great—the amount de-The spring and summer are short, frusts late-of of the seasons produces great hurry and bustle in the affairs of the husbandman; seed time and bar-AGRICUTURAL SOCIETY OF THE VALLEY vest are short, the winters long and severe. It may harvest, that some one will say, that wheat is very

Take a parallel of the cis-Allegany region: the the present time.

bage. Seeding commences for gardens in March; We understand that the vice-president declines corn may be put in from the last of April to the summer heats continue generally through August, sometimes violent. The falls are warm and agreeable, dry and favourable for harvest and fruits. The harvest of small grains is from three to four weeks carlier than in the east. Corn may be harvested at any period of winter. It sustains no injury from the season; the corn of the east ripens Estimates and calculations, predicated on results here in August; that in general use is the southern ceptible change, that of winter succeeds. For the The city of Cincinnatti is a few minutes only tempest and frozen snows of the east, we have south of Philadelph a, and three degrees eighteen white frosts, warm days, occasional rains; and light minutes south of Boston; yet its climate, and that transient snows, but scarcely a high wind in our of the region surrounding it, is perfectly Italian, while that of the latter is harsh as Siberian. The doating up the valley of the Mississippi temper the elements are not softened and converted by the chills of winter with their genial influence. Herds southern position of the west, but by a peculiar lo- roam at large and feed in winter months upon the abundant herhage of the field and forest; if not and interior with uninterrupted violence; bringing abundantly, the addition they require at the hand with them in winter the piercing colds of the kro of the husbandman is small in comparison to that is entitled to the gratitude of the agriculturists of zen ocean, Newfoundland, or the northern takes, of the east. Danger from cold and storms, and Dorchester county, for his experiments on an enthe greater contiguity of the sun, and stiff retain a occasion, are scarcely known. In the spring, stock rigour and roughness, destructive to the relaxed exhibits a strong and healthy appearance; sheep in particular suffer little from winter exposure; no at-The frosts commence trequently in October, on tention is paid to their yearing-the season is good the 25th of which permanent snows have fallen, from February to May, and but few yearlings die. In December, January, and February, cold is often I should suppose thirty-three and a third per cent. intense; storms of snow, deep, attended with bitter a moderate calculation in favour of the western cold winds. Animals of the farm require constant yearings. The situation of the vegetable kingdom attention and large quantities of food; in the coldest is equally favourable. Apples from seed to fruit are seasons it is often necessary to give them exercise, from six to seven years; (in the Atlantic states from to prevent the effect of cold upon their limbs; the eight to nine;) the growth thrifty, bark of tree earth is closed, its surface covered from them, and the snow often too deep to admit of their roaming guod. It is allowed that the growth of fruit trees in the Atlantic states, is over those of Europe as five to three; in the portion of the valley of the Mississippi of which I am speaking, I should sup-pose the growth over that of the Atlantic states, to he about the same.

In soil and climate we have decidedly the advantage over the seaboard. The consequence to all the departments of husbandry is, perhaps, thirtythree and a third per cent, in our favour: in entering will lessen this effect. The approach of spring prise and industry, and attention to practical improvements, we are in the rear.

HESSIAN FLY.

FRIEND J. S. SKINNER.

It is said, that the young wheat, especially the early sowing, looks very fine; but that there is a great quantity of the hessian fly in it; and by many, doubts are entertained, that the crop will sustain much injury in the spring, which I think very probahle.

This heing the case, of course it cannot be altered; but it may be highly prudent, and much to the course seeding is a critical period. This division advantage of the community, that the farmers use some preventive. I think it most likely that the price of flour will advance so much before next The annual exhibition of the Agricultural Society be said that winter divides the empire of the year, scarce; indeed, some pretend that flour is high at

any rate, if they will examine, they may see that it mammoth, might not be unacceptable. is the case; that at this time, the fly exists in the wheat near the stool, and just above the ground. But the fact is, and a happy circumstance that it is below the prominences which sent off the leaves, port to a large amount, which our citizens will not so, that it cannot exist under ground. This being and where the root is fair and smooth, precisely do without, six or eight times more profitable to the case, the preventive that I would suggest is, to three feet round, and which weighs, freed entirely produce than wheat, and which our own farmers harrow the wheat with a light harrow, with teeth very close. I think the harrowing should be done ful washing, full twenty-six pounds! If any of when the ground is dry, at least on the top.

The consequence will be, that the harrow will throw considerable dirt on the stools of the wheat, which, I presume, will be the readiest way to destroy a great deal of the fly; and independent of that, it will be quite an advantage to the crop, to account of a distemper which I fear will destroy all last year imported. The precise amount stands use the harrow, even if there be no fly in it, and our horses. Briefly, their tongues are so dreadfully thus though harrowing may seem to tear the wheat ulcerated, that the power to manage their food, is

as the ground gets in order in the spring.

Very respectfully, Georgetown, D. C., 11 mo. 14, 1826. MECHANIC.

mind, that as much pulverized dirt as would lay on destroy three such stools (or plants.)

LARGE VEGETABLES.

DEAR SIR,

Nottoway, Nov. 11, 1826.

I notice in your last paper an account of some very large vegetables; I thought I had raised some very large, but am beaten. I raised a pumpkin, weight 103 lbs. I have one, about eight inches long, that is five feet in circumference. I raised a radish that weighed the lbs. and was twenty one inches in circumference. One of my neighbours raised a red potato, weight 64 lbs. and is twenty seven inches in circumference, I saw it myself. Another curiosity: I killed a cow for beef a few days ago, she had in her a twin bladder, one about double as large as the other.

I send you a few seed of the holy thistle; I think it a very valuable medicine for fall complaints, where bile is the cause. It is completely salts and tartar; for it both pukes and purges, but more unildly. One of my neighbours brought it from Tennessee several years ago, and has made use of it ever since; they have generally a very healthy family. I have made use of it this lall, and am well pleased with it. It is quite innocent, as the patient can eat or drink any ercise our own judgment A cordingly thing, and it will have its effect. The dose is two mixed with a small portion of cold water, small per sons in proportion. It is very easy raised, and has porcelain was a work the result of his suggestion. small prickly pods that contain the seed, which, when ripe, opens, and then is the time to gather or has it an application? You shall hear them; they will continue to hear until frost.

Be good enough to send me a few of the new grass seed from Missouri, and get from one of your valuable subscribers the best method of trapping or destroying the common muskrat, they are very troublesome to my dyking

Yours, respectfully,

EDMUND ISLY.

LARGE BEET,

And a very dreadful and mortal disease amongst the Horses in Worcester county, Maryland.

Synapuxent, Nov. 26, 1826.

In these days, when farmers appear to be in some measure compensated by the size of their vegetable productions, for the miserably stinted price which all the yields of agriculture command, I have scious the effort would be fruitless.

may understand perfectly by a little reflection; at thought that the following account of a vegetable of circumstances, and carry the grist in one end of

There is now, in the garden of my neighbour, our fathers did so? John F. Fassitt, Esq., a blood beet, which measures, from its top, and from all earth adhering by care your numerous friends can beat this, or have done in India and Europe to the amount of ten millions or ever will do so, I shall be pleased to learn that a year-paying them enormous profits, while our there are better lands and more skilful gardeners own agriculture is languishing. The articles to than we can boast.

I have not time, or I would plague you with an about very much, still it will henefit it quite as much. entirely lost. The appetite is good,* the respiration My opinion is, that it would be best to harrow natural, the head free from disease, and indeed with the wheat before winter sets in; and again, as soon the exception of costiveness, there is no symptom of disease independently of the tongue. Of this member, the whole papillary surface on the outer half, has sloughed to the depth of more than 1-8 of N. B. If the wheat should be very stout, it may an inch, within three days from the beginning of require a very heavy harrowing to throw as much the attack. If in your power directly, or through dirt on it as would be best. I have no doubt in my your intelligent correspondents, to give me counsel in this matter, I shall be particularly obliged. You a cent, properly put on a stool of wheat, would kill can conceive of the importance of this disease, every fly in it, though it might contain enough to when I tell you that our carriage and riding horses, and three of the work horses, are already affected.

In haste to embrace the mail, I am very truly, JOHN S. SPENCE. vours.

J. S. SKINNER, Esq.

HORTICULTURE.

ON THE MULBERRY, SILK, AND WINE.

(From the Village Record.)

After Frederick of Prussia had enlarged his kingdom, and reaped a full harvest of that sort of re dom, and reaped a full harvest of that sort of re not think where it went to, no was sure his ma-ter nown that arises from having skain, in successful must be runed." The presumption is, that open battles, near a million of his fellow men he sat third of the wine imported is drank pure - that the down to improve his country. This was truly noble, other two thirds are more or less intermaxed; and I want, said he to his minister at London, a schemer -one who is good at laying plans and making cal culations. The minister, in reply, spoke of an Italian, as wild a schemer as his majesty could wishalways laying grand plans for improvement, but himself, poor as a church mouse Beware, added our own, the public could have it pure, wholesome; the minister, least he lead you astray. Send him & and it would become a substitute for hurning, on, said the king Let him plan; we will then exwent to Berlin. Some of his schemes were reject- the Russians; and the reason assigned is, that they table spoonsfull of the seed, beaten in a mortar, and ed-others adopted, to the great benefit of Prussia, drink wine that cheers and enlivens, instead of If we mistake not, the manufacture of its elegant

But whence does all this lead? Is it a mere story

Our agriculture is much depressed We used to export 20 millions of dollars worth of bread-stuffs; we do now export only five millions-so greatly has that branch of trade fallen off Formerly the Uni ted States fed the armies of Europe; now Europe raises bread to spare. Our habits of farming were to sow and plant from forty to sixty acres out of an hundred in grain, when there was a large demand abroad. Although there is no demand abroad, we continue nearly in the old way, to sow and plant the same fields; the market is glutted-300 bushels of wheat bring \$270, when 200 bushels ought to bring that money, to be opon an equality with the prices of other articles of traffic. What is to be done? Shall we go on in this way under all changes

which comes in their way, but soon drop it, as if con- per pound, sixty feet to the skein, and one dollar

the bag, and the keppel stone in the other, because

There are agricultural productions which we immight as well raise, as to purchase from India or Europe. We are, in fact, tributary to the farmers which we now have special reference, are silk and

Silk goods from India, . . \$3,694.707 Do. other places, . 6,576 820 Raw, Do. 8,690

10,279,617

Exported. . \$1,330,231 Silks from India, Do. other places, 1,155,505 Do. unmanufactured, 21,639

Leaving for our own con-

\$7,692,242

- 2.587 375

sumption, The India silk, it will be remembered, is paid for in silver, and is a heavy drain upon our specie.

Of wines, the importation last year was 3,160,528 gallons.

A portion of this was undoubtedly of those fine wines which we cannot hope to equal for some years, if ever; but the greater proportion of it is of that quality which we can certainly make with ordinary care. An old negro, who lived with a wine merchant in the city, said one day, the was sure his master must come to min; he bought and ridled into his cellar an hundred hogsheads of cider corv year, and never a drop went out again; he could here he acted the statesman-the sage-the father, probably there is sold from an importation of three millions, five millions of gallons. More Madeira wine, as it is called, is sold in England, than the whole island of Madeira produces. The common wines we drink are adulterated, and often by an admixture of personous substances; but by making consuming poisonous whiskey. The French are less addicted to intemperance than the English or whiskey and brandy, that inebriates and brutalizes.

Would it be profitable to raise silk and wine? It is believed highly so.

Mr. Genet, in his memoirs on the subject of silk, states, that "an ounce of the seed of the silk worms will produce 40,000 worms, that will consume one thousand pounds of white mulberry leaves, easily supplied by fifty grown trees, or two hundred small ones, between two and three years old from the seed or from the slip; and the produce in silk will be upon an average twelve pounds of drawn raw

silk, allowing all contingencies

"A small hedge that will occupy the twentieth part of an acre, being planted with bushes not more than three years old as aforesaid, will supply and accommodate 100,000 worms, the produce of which will be thirty pounds of raw drawn silk; and if the whole acre is planted in the same way, the produce will be six hundred pounds, which if merely spun into sewing silk, would amount at the present price *They seize with greediness every article of food of American sewing silk in Albany, to three dollars and fifty cents per thirty feet."

According to this statement, land in white mulsome error in the data from which this distinguish- half in the grape, and try fairly the experiment. ed gentleman made his calculations. Mr. Fitch, of the amount of \$15,000 in value a year, (and support each township in Chester county produced that cheap 200 acres at 20 dollars amount, 42 multiplied by \$15,000=\$630,000-six hundred and thirty thousand dollars! That would be a handsome sum;) has the following statement:

"One acre of full grown trees, set 11 rods apart,

will produce 40 lbs. of silk.

"The labour and the board, may be estimated at cighty dollars. The spinning the silk at thirty four dollars. Forty pounds of silk, at the lowest cash price, is now worth two hundred dollars; which makes the following result:

40 lbs of silk, at \$5 per lb. . Labour and board, . . . **\$80 00** . 34.00 Spinning, . . 114.00 Which makes the nett proceeds of one acre,

"The principal part of the labour may be perfor the last period of the worms.

The above calculation is made upon full grown

The price at the lowest cash prices."

So that the produce of an acre would be \$200, and the clear profit \$86. That I think would be large amount in value of silk, is used in the simple form of sewing silk, the manufacture of which is extremely simple. There is no information possessed by the Treasury Department, enabling it to state we can make, the product increases too fast-we what proportion of the ten millions of dollars of the article imported is sewing silk; but from several crease. Silk, in other simple forms, is also extensilk be introduced here to insure a market for twenmarket in England-all the raw materials for her extensive manufacturies being imported.

Then for wines. According to the very fair acproduce of the 5th, 6th, and 7th years, 72 barrels-30 gallons to a barrel, would be 2160 gallons.

3)2160 gallons,

for the four acres.

4)720

180 gallons for each acre

Worth,						\$180.00
Add for	grapes sold,					15.00
for	cuttings,	٠		٠	٠	5.00

Would give per year, per acre, . \$200.00 "It must be remembered, too, that about sixty dollars worth of grapes have been sold.

"The wine is now selling at \$1 per gallon."
From which it would appear that the average be the same as that of the mulberry, \$200.

In this statement, it has not been our intention to exaggerate in the least.

Our plan then is. First-That every farmer who berry trees in full growth, would give a produce can see his way clear to do so, put out five acres in on account of the quantity of ice it may contain: of \$1800. In our opinion, there must have been an hundred; one half in the Italian mulberry and one that the situation (if practicable,) should be in a

ed gentleman made his calculations. Mr. Fitch, of Mausfield, Conn., a town which produces silk to enter upon the business extensively. Say one, to the amount of \$15,000 in value a year, (and suppurchase in some part of the country where land is the construction of the house, a pit should be dug

20 dollars an acre for grape and mulberry cuttings or shoots, and setting out Interest and labour for 3 years, when it will begin to be productive, wine-press, house in which to feed the worms, &c. . Contingencies

any which may have died.

5th year produce per acre, \$50. 100. 6th do. do. 7th do. 200. do.

paying the whole purchase money, and leaving a

most valuable and productive property.

Archibald Stephenson tells us that, in France, formed by women and children. But where the him that a good many of the largest of them brought this way I have kept and preserved ice for many business is carried on to any considerable extent, it a return to the farmer's family of a louis'd'or each years, from one season to another; but I do not is considered more profitable to employ some men of them, yearly." That is twenty shillings sterling, conceive it would be practicable to preserve ice for which are sold to silk raisers to feed their worms, think these observations will be of any use, they Why should they not be as profitable here? How are at your service, and am many full grown trees would stand and thrive on an acre? Of the vine 800 will flourish in perfection on J. S. SKINNER, Esq. ? and the clear profit \$86. That I think would be an acre. A gentleman of intelligence said to the good farming. Here let it be remarked that a very writer of this, that he esteemed every bearing vine certainly worth a dollar.

The greatest difficulty we meet with is that, in the most sober, and subdued, and moderate calculation

grow rich too rapidly

But all these calculations must be taken with concalculations and estimates made, it is presumed to siderable allowance We should be truly sorry to exceed a million of dollars, and must every year in- be the means of leading any one into any expensive scheme, or involving project; but believing, as we sively consumed. It is not necessary, therefore, to do most honestly, that every acre of land in the presume that intricate and costly manufactures of county now worth twenty dollars, may be made worth an hundred, by the culture of the silk and the ty years to come. It should, moreover, be considered, that the raw silk will always find a ready to the matter, 3 that it may become a subject of thought- of conversation-of calculation The intel- enterprize of the kind is now going on in our own ligent public will examine the matter for themselves.

In the mean time where the white mulberry exists count of Mr. Eichelberger's vineyard, given us in we entreat that they may be preserved; that cuttings the York Recorder, it appears that four acres the may be taken in as great numbers as possible, to be 5th year, produced 30 barrels of wine; the 6th and 7th year, 21 barrels; this year the produce is esti-flourishes well here. It has been tried. We know mated at 60 barrels. But we will take the actual excellent silks may be made here, for we have had droughts, and of the causes that sometimes pollute the pleasure to see dresses, or specimens of dresses, and render unwholesome and unpalatable the still beautiful and fine, made thirty or forty years ago in this county. If we could live to see Chester races.

ago in this county. If we could live to see Onest. Messrs, boyd and 31 Outhorn, of this city, are single county producing half a million of dollars of silk, indefatigably engaged in boring for water to supply and as much in wine, without diminishing in value their extensive brewery; and, we are happy to add, are acres.

The stress indefatigably engaged in boring for water to supply and as much in wine, without diminishing in value their extensive brewery; and, we are happy to add the peace, they have every prospect of complete success. and would have our remains deposited beneath a They have penetrated as deep as \$50 feet. 320 of wide spreading mulberry, the branches of which should bend with the mantling vine, hung with clusters of delicious grapes. PROJECTOR.

RURAL ECONOMY.

ICE HOUSES-ANSWER TO INQUIRIES. Baltimore, Nov. 17, 1826. DEAR SIR.

sending you my observations on that subject.

I have found that the larger the house the better, high, dry, airy place, with a north aspect, and in a And second, that several companies be formed to sandy or gravelly soil, to absorb and carry off the \$4,000 20 to 22 feet square, and 20 feet deep, so as to admit of a log pen of 18 to 20 feet in the clear, with 4,000 a layer of logs placed in the bottom to keep the icc 18 or 20 inches from the ground; the log work to be raised about two feet above the surface of the 2,000 ground, and left open for air, and the roof to be co-2,000 vered with straw of considerable thickness, to resist the rays of the sun and carry off the rain. The \$12,000 ice should be put in, in large thick cakes, without 4th year pay all expenses, interest, and replace pounding or breaking and stowed as close as the cakes will admit of, observing to place straw between the ice and sides of the pen, from bottom to top, and to cover the top of the ice with dry straw to the depth of 15 or 18 inches, which covering Of which \$80 per acre, or \$16,000 clear profit, should be removed occasionally in the course of the summer, and replaced with other dry straw. When the ice melts round the sides, as will be the case in the summer, dry straw should be stuffed in to fill those who shewed him the mulberry trees, "assured up the vacancies and keep the air from the ice. In or \$4.44 each, merely for the leaves of the tree, any length of time in low moist situations. If you

Yours, very respectfully,

Ed Am. Farmer.

[The above contains what is termed multum in parvo. We apprehend it gives the best directions, in the best, because the plainest terms, for the construction of ice houses, the selection of the site, and the packing of the ice. We are inclined to think that oak leaves, in lieu of straw, for covering the ice, where convenient, would be attended with advantage.]

BORING FOR WATER.

It will be seen by the following articles, that the plan of boring for water in different parts of the country, is likely to be attended with success. An city, which will not, we hope, be readily abandoned. The probability of obtaining water here, in this manner, reasoning a priori, is as great as that of obtaining it on the Newark meadows. If successful, the benefit will be incalculable A pure perennial fountain will be obtained, out of the reach of springs that lie near the surface. [N. Y. Ev. Post. Messrs. Boyd and M'Culloch, of this city, are still

which has been through a slate rock. The water now rises to within three feet of the surface of the earth. Gas, which affords a brilliant light, is pro-Alb. Daily Ad. cured from the well.

Renewed evidence of the excellence of this plan is offered by the result just obtained upon the Newark meadows. The families inhabiting this great plateau, have hitherto been compelled to procure all their water for domestic purposes from the upland, Observing in your useful paper of the 3d instant, at a distance of from 2 to 3 miles .- By means of value of the produce of an acre in vineyard, would an application from R. C. Shorter, Esq., of Georgia, Mr. Disbrow's apparatus, a plenteous supply of exon the construction of ice houses, and having had cellent water has been obtained at a depth of 104 some experience in that way, I take the liberty of feet from the surface. The perforation was made near the junction of the Newark and Belleville turn

pike roads. The following is a memorandum made undoubtedly true, that at the marshes more money by the workmen, giving the various strata through has been expended than was at first anticipated; but which they bored:-

"tst. Vegetable deposit, 8 feet. Beach sand, 36 " 6 inches. Stiff potters' clay, 0 .. 6 Sand. 33 " Potters' clay, 7 11 Sand, 56 Potters' clay, 10 4 16 Red coarse clay,

104 feet.

finding that the 7 feet strata of sand gave us an ment westerly therefrom to the locks on the waters abundant supply of excellent water, we ended our of the Chesapeake, and including also those two tion.] labours."

pump is inserted.

INTERNAL IMPROVEMENT.

(From the Philadelphia National Gazette.)

CHESAPEAKE AND DELAWARE CANAL.

Sir.-I have observed, with much pain, for some

then again, the summit bridge has fallen in.

I am located at a sequestered spot, called Back Creek, on the Eastern Shore of Maryland. I seldon; see the newspapers, and we get little news here, even about the Canal, except from strangers who as I was starting to attend to my business, a gentleman of high standing, from Baltimore, rode up to the summit bridge was about falling in. All these when the contract was made. The stale story, of which nature, as well as society, has imposed on the things must be true, for he had heard so in Balti more, and had seen it in the Washington newspa per. Undoubtedly, if it were possible to ruin the Company, and cause this great national work to be abandoned, no better way could be devised-and indeed this is the only way, for there are no intrinsic difficulties but what are, or can easily be, surmounted. Had one half the pains been taken to prejudice the people of the State of New York against the Erie Canal, that has been taken to write down this, that canal would probably have never been finished. It is well known that mistakes were made there, though fewer than might reasonably have been expected. That canal overran the original estimates nearly 500,000 of dollars It was It was well known at the commencement, that the deep cut would be a very difficult and expensive work, and a very liberal estimate was therefore made; I speak of the estimates of the examining engineers, who finally passed upon the work. Have any serious difficulties occurred which were not foreseen? Assuredly not. And every one must allow, that the work has progressed with more rapidity than was anticipated even by the most sanguine. Is not the bridge at the summit a most capital one? And has it failed, or is it likely to fail in any respect? It is

the sum is not great, and the important difficulties are now believed to be surmounted.

Perhaps it is improper for one situated as 1 am, [The following very judicious and entertaining to say any thing upon the subject. So much has reflections on the highly important office and duties been said, however, by persons opposed to this ca- of "THE MOTHER," when considered in the light nal, which has had an indirect tendency to do me in which philosophy and humanity would teach us injury, by deterring labourers from coming here, to regard them, are taken from that instructive and and in various other ways, that I do feel myself call- elegant weekly miscellany-the "New York Liteed upon to set the public right, so far as relates to BARY GAZETTE." Though its length will compel the work immediately under my direction, which us to divide it, and to appropriate the "LADIES' DEcomprises nearly one-half of what is commonly call- PARTMENT," for two or three successive weeks, to At which depth we came to free stone rock, and ed the deep cut, and all the excavation and embanksloop locks with all the excavations, embankments, The water rises to within 24 feet of the surface in coffer dams, &c. appertaining thereto. 'The whole a cast iron tube of 8 inches diameter, into which the of my excavation amounted to about 1,400,000 cu- have been so many examples of intellect in women [Times, bic yards, and the embankment to about 130,000 equalling any displayed by man, that it is not wonyards. Of the excavation 1,100,000 yards are done, derful that they should claim the same rights and and of the embankment 100,000 yards are completand of the embankment 100,000 yards are complet-ed. With respect to the two locks they are both claims are denied. These complaints, however, nearly finished, and are both at this time receiving and the causes by which they were excited, are the coping, and have been pronounced by compethe coping, and have been pronounced by competent judges equal to any work of the kind, either in ing in the seale of being, and by the development Europe or America; and so far from there being any of virtue and talent will eventually settle the distruth in the report that new difficulties are occurtime past, a systematic attempt to decry every thing ring, and that the work is now progressing slowly, doing upon the Chesapeake and Delaware Canal, the fact is the reverse; for I have excavated more To me, it appears truly surprising, that so little cubic yards, and have made more cubic yards of respect should be paid to the rights of the stock- embankment during the last four months, than durholders, who certainly are as liable to sustain da- ing any four preceding months; and this applies to the education and condition of the female sex. The mage by injurious representations, as are the stock- each of the four months, when compared with any time is past when beauty excited exclusive admiraholders of any other company. Were the statements one preceding month; and I am now doing as much true, they would not be justifiable, inasmuch as no work every day on the canal as I have ever been person has the right wantonly to injure the property doing heretofore. There have been excavated from lent, and in our eye we see more homage paid to of another. It is sometimes said, that the banks are the deep cut, from an average breadth of 25 feet, intellectual than to personal charms. [The beautiall sliding in; and the canal filling up faster than it about 200,000 cubic yards, and there have been ful and graceful Madame Recamier shrunk into

It is now upwards of nine years since I commencconstruction of canals, and I am free to declare my as long as the language of her country lives.] belief, founded upon what little experience I may reasonably expected, and none but what may be eathe impracticability of ever making a canal on this route, is still going the rounds. These people of little faith, remind me of a small anecdote which I will relate. When I commenced operations, about four years since, upon my last contract on the Erie canal, on the Eastern section, near the margin of the Mohawk river, I recollect very well that an old Dutchman, through whose farm the canal passed, asked me with a very incredulous countenance, if I believed the canal would ever be done. "Certainly," I replied. "Well," said Wemple, "I'll ask to live no longer than 'till I see a boat sailing through this cornfield." The canal was finished through his cornfield in six months—and my old friend, Ephraim Wemple, now keeps a snug little tavern by the side bility and tenderness. of the canal; where he smokes his pipe, and laughs at all doubting Dutchmen.

canal, and thereby testing the truth of these state- for the best and wisest purposes. It is the secret ments, they will find me at or near the canal line, and elastic spring which puts in motion the talents where I shall be exceedingly happy to furnish them and virtues of mankind. We would not check, we with any information in my power.

S. NEWTON DEXTER, Chesapeake and Delaware canal.

Back Creek, Nov. 10, 1826.

LADIES' DEPARTMENT.

THE MOTHER.

its insertion, yet it will well repay for all by its amusing tenor, its sound sense and salutary instruc-

The equality of the sexes, is a question that has long been agitated, but never settled. There puted point, and prove that, though nature has made differences, it has made no inequality between the

In no part of the social system is the progress and improvement of society more striking than in tion, and conferred the most distinction; yes, the supremacy of beauty has given place to that of tacan be excavated. Then it is said, that the embankment on the marshes are all swallowed up, and during the same period, the last four months. while the name of the first was scarcely known out ed as a canal contractor upon the Eric canal, since of Paris, and is now forgotten, that of the former which time I have been constantly engaged in the is known through the civilized world, and will live

The education of women is no longer confined to come from a distance. On Tuesday morning, just have gained during that period, that there are no household duties, or showy accomplishments; but difficulties upon this canal but what might have been is extended to a knowledge of science, literature and the arts, in each of which they offer examples the door, and while his breakfast was preparing, for sily surmounted. My contract, which embraces all of excellence rivalling any afforded by the other I board in a tavern, entertained us with the latest the hard excavation on the whole line, would have sex. This excellence we are disposed to allow and news from the canal. He said that all the contractors had failed, the work had entirely stopped, and of coarse grain and labour continued as they were neither incompatible with the delicacy or the duties.

> But ambition, in the common acceptation of the term, is a passion which always will prove as adverse to their happiness, as to their delicacy and duty. Ambition, though called the passion of noble minds, leads to hypocrisy, servility, meanness, falsehood, and every other vice which degrades humanity. A female intriguante or politician, (a sight too common in Europe,) is as offensive to good taste, as to good morals; and is scarcely less revolting to our feelings than a female warrior; since the base and conflicting passions of political life, are as much at variance with the candonr and purity of the sex, as scenes of blood and carnage are with its sensi-

The love of distinction, the desire of praise, is an innate sentiment of the human breast, and has been Should any persons be desirous of viewing this implanted in our nature by the author of our being, would only direct its operation; let it then be indulged while it stimulates the mind to the attain-Contractor for the Western section of the ment of excellence and the performance of duty.

While we would imperiously close the career of political or military ambition against the aspirants leave them as women, we shall emulate them as ii vals; and while indulging our admiration, shall not lose our respect.

We would do more-we would fain stimulate and encourage women to the attainment of intellectual and moral excellence, by every consideration which the praise of man, or the approbation of God, afthose pursuits in which they can acquire influence in the affairs, and distinction in the ranks of society, delicacies of sex.

In the division of social duties, there are two, for which they are peculiarly fitted, both by the inclinations of nature and the habits of society; I mean

education, and charity.

For an enlarged or correct performance of either of these important duties, cultivation of mind, purity of morals, and economy of time, are equally necessary, and will therefore afford a scope for the exercise of the strongest mind, most brilliant genius and ardent enthusiasm; thus conferring beauty and dignity, on objects of practical utility

Whatever are the advantages of public schools, there are deficiencies which can never be supplied but by paternal care. A domestic education, con ducted by an enlightened father, would perhaps be the best a child could receive; but as the avocations, and even the dispositions of men, seldom, if ever allow of their devoting their time to this important press yourself to that effect at the next "Sportsman's Levee." task, if it was devolved on a well-instructed mother, the advantage would be equal; in many respects superior, for as Hayley, in his life of Cowper, justly observes, "Woman has, in general, much stronger propensity than man, to the perfect discharge of parental duties, and seems as if designed by nature, not only to nurse and sustain his infancy, but to train and cultivate his mind, teaching the young idea how to shoot, and to regulate his affections and form his temper."

The nature of man is threefold, animal, moral and intellectual, and the perfection of that nature depends on the culture and improvement of all these

different parts.

The first that is developed, is the animal or the corporeal part, which the laws of nature and society, equally devolve on woman: then follows the ex pansion of the temper, affections, and passions, which constitute the moral portion of his nature, and in proportion as this is submitted to the government of judicious mothers, is the purity and excellence of this part of our being.

The mind too, begins at a very early age to develop its powers. Its capacity for the reception of ideas, can be distinctly known only to the mother who has watched its growth. She only can tell, the kind and the quantity of knowledge it is fitted to re ceive, and therefore she only can adopt and propor-

tion instruction to its natural powers.

A teacher, ignorant on this point, might by giving too little, stint and starve the infant mind; or by giving too much, might distort and enervate its

taculties.

Besides, a father, however affectionate and intelligent, cannot be as well acquainted with a child's dispositions and abilities, as the mother, who has watched the development of its affections and the expansion of its intellect; therefore cannot apply rewards and punishments, stimulants and restraints as judiciously. By him, timidity may often be mis taken for sullenness, slowness of apprehension for obstinacy, and the tears of sensibility, for those of Genius, br. b. 1753 peevishuess, and thus may punish where he should reward, and reprove where he should encourage.

Although to make a good instructress, the mother ket, August 29, 1750.

of the other sex, we would open to them that of should be herself well instructed, is correct, as a cient for the performance of this important task. science, literature, the fine arts; that of domestic general rule; yet there are exceptions to this as well As many a fond mother may be deterred from unduty and social benevolence. In these pursuits they as every other rule, and an instance I have lately dertaking this sacred and endearing duty by a diffiwill have an opportunity to display an equality of met with, has convinced me that attention and dence of her qualifications, I will relate the instance mind and a superiority of virtue. Here while we affection, with a good natural understanding, is suffi- to which I have alluded.

SPORTING OLIO.

THE HEIGHT OF RACE HORSES.

[Every reader knows that the vulgar objection, for such we think it may be called, to the use of the blooded stallion is, that the stock is too small for all other purposes; and even those who have a disposifords, and for this purpose would point out to them tion to rear blooded horses, will often object to a stallion of the best strain because he is little. if any, over fifteen hands high, and will have recourse to one of inferior pedigree, if he happen to measure an inch or two more. The owner of the mare is too apt to forget that much more depends, for the size of without compromitting the duties of nature, or the the progeny, on the size and form of the dam than on the height of the sire; and that after all physical power, whether displayed in mere strength at a dead pull, or in swittness on the turf, is more the result of a well organized frame with plenty of sinew, than on sheer height or bulkiness. Do we find that the largest hound is the fleetest or the most enduring? That your overgrown beef eaten men possess either spirit, activity, or any sort of capacity for continued and vigorous exertion? So it is with horses. It has been clearly shewn by the valuable historical observations of "An Advocate of the Turr," that a large proportion of the most distinguished race horses have not exceeded 154, and many have not risen above 15 hands. We give here a list of the height of horses renowned on the British turf, with a view of confirming what has been said, and to do away as far as possible, that unfounded impression that the best to a s are only to be had from the largest horses: under the influence of which, stallions of interior blood. and worse points are often preferred.

TO THE EDITOR OF THE ANNALS OF SPORTING.

Sir,-1 am not aware that the exact height of Eclipse has ever been stated; but two of my friends who knew the old horse well, inform me that he was about 15; hands high: the same may be said of Flying Childers. Judging from the portrait of Mr. Darley's Arabian, recently discovered, I should estimate him to have measured 15 hands; which will also apply to the Godolphin Arabian.

Probably you will consider that I have cited a sufficient number of cases for one month's publication.

Should you, however, wish to see this enumeration brought down to our own days, you have only to ex-

1 remain, sir, yours, &c.
STEPHEN ROUTH.

Forchoe, August 19th, 1826.

Cato, b. 1748

	HEIG	HT.		
ſ	Name, Colour, when Foaled. ha.	n. Owner or Breeder.	Sire.	Dam.
	Aaron, b 1747 18 8	8 Mr. Rogers	Whitenose	Diana.
1	Ancaster Starling, gr. 1738, 14	24 Mr. Crotts	Bolton Starling	Partner m.
5	Babraham, b. 1740 , , 16 (Lord Gudolphin	Godolphin Arabian .	Large Hartley m.
1	Badger, b. 1787 15 (Mr. Crotts	Partner	Woodcock m.
	Blacklegs, br. 1744 13 9	24 Mr. Shearden	son of Smiling Ball .	dam by Vane's h.
1	Blaze, b. 1733 15 (Mr. Panton	Flying Childers	Confederate hily.
6	Balton, ch. 1743 15 (Duke of Bolton	Sweepstakes	Bay Bolton m.
4	Bywell Tom, alias Light- } 14	1 7 4 70	f vila	Dartuan m
	ning, ch. 1747.	C Lord Byron	(aue	rattier in.
_	Cade, b. 1734 15 (Lord Godolphin	Godolphin Arabian .	Roxana.
-	()11 C -4 2 Ab4	C San W. Marrows of Tr	adeaur was bred by A	Ir Eistob, a Vorks

Old Cartouch, the property of Sir W. Morgan, of Tredegar, was bred by Mr. Elstob, a gentleman; he was got by the Bald Galloway; his dam by the Hampton Court Cripple Barb. This nonpareil did not exceed 14 hands in height; yet no horse in the kingdom was able to run with him at any weights from eight to twelve stone.

Young Cartouch, ch. foaled in 1731, the property of Lord Portmore, was bred by Lord Weymouth; he was got by Old Cartouch, his dam, (own sister to Red Rose,) by the Hampton Court Chestnut Arabian, out of Mr. Crofts Pet Mare. Although a galloway only, he proved himself to be much superior to many sized horses of his year.

14 2' Lord Rockingham . Regulus Partner m.

						(Danahter of the ol
Champion, b. 1739	14	24	T. Vavasour, Esq	· ·	Goliah · · · · ·	Montague mare.
*Chance	15	1	Duke of Queensoo	erry,	Black Chance	Partner m.
Chub, or Tamerlane, b.	15	0	Lord Godulphin		Godolphin Arabian .	Hobgoblin m.
Conqueror, gr. 1752	15	2	Mr. Panton		Crab · · · ·	Miss Slamerkin.
Crabstock, gr. 1750	14	1 1	Mr. Cornwall •		Crab · · · ·	sister to Spinster.
Crispin, ch. 1751	14	01	Mr. Adams		Ancaster Starling .	vv miteloot m.
Dainty-Davy, b. 1752 .	. 14	04	Duke of Clevelan	ıd .	Traveller · · · ·	Slighted-by-au.
The Darley Arabian, ab	nni 1	15 հ	ands high.			
Dormouse, b. 1738	14	1 2	Lurd Godolphin		Godolphin Arabian .	Partner m.
Euston or 1769	14	3	Duke of Grafton		Antinous	Brilliani m.
Ranny ch 1751	14	1	Mr. Blake .		Tartar	a daughter of Jigg.
Fearnmight, br. 1751	. 15	1	Lord Godolphin		Godolphin Arabian .	Hongonin m.
Engester ch 1750 ·	14	25	Mr. Vernon		Forester	Loody III.
Fox. b. 1749	13	34	Mr. Hunt		Goliah	a dangmer of Jigg.
Gamester, br. 1753	14	03	Mr. White		Tarquin	Saucebox m.
Genins br h 1753	15	9	Mr Keck		Babraham	Aura.

^{*}Chance ran near-wheeler in Lord March's (Duke of Queensberry) celebrated carriage match, at Newmar-

		HEIGH	HT.				
Name, Colon	r. when Foaled,	ha. in.	Owner or Breed	er.		Sire. Cripple	Dam.
Gimerack.	gr. 1760	14 04	Sir C. Bunbury	٠	٠	Cripple	Miss Elliot.
The Godoli	hin Arabian, br.	15 0					
Gower Stal	lion, b. 1740 .	10 l	Lord Gower .			Godolphin Arabian	. Whitefoot m.
Highlander	gr. 1742	14 1	Lord Portmere			Victorious	· Whitefoot m. Chesterfield Arab m.
Indiana h 1	7.4G	15 0	Lord Sandwich			Irodulplan Arabian	Habrahlin m
Jigg, ch. 1	741	14 02	Mr. Hont .			Geliah	a daughter of Jigg.
Judement.	b. 1751	14 13	Mr. Swinburn			Snip	. Cottingham m.
King Penin	. b. 1743	14 03	Mr. Dutton .			Cartouch	a daughter of Jigg. Cottingham m. Whitefoot m.
Liberty, b	17 19	14 15	Mr. Pytt .			Hazard	. sister to Blank.
La littont.	ог. 1747	14 2	Lord Eglintown	ıe		Cade	Bay Bolton m.
Little Days	d. b 1747	15 5	Lord Gower			Hazard Cade Gower Stallion	. Miss Vixen.
Little Driv.	er, ch. 1745	14 03	Mr. Lamego			Beavors Driver	Childers m.
Little Parti	per cb. 1745 .	14 1	Mr. Fearson			Forester	. Partner m.
Lofty h 1	753	15 0	Mr. Panton .			Godolohin Arabian .	Spinster.
Mary Tarts	ır.*ch 1751	14 0	Lord Rockingh	ım.		Tartar.	•
The Mixbu	ry Gallowav .	13 2	Mr. Curwen			Curwen Bay Barb.	
Manuanale	- 12.40	1 3 13	Mr. Parare			Hutten Blacklove	
5 2 : 111 1			NT C			(. 1	(a mare of Mr. Hut-
Priscilla, D	. 1756	15 54	Mr. Curwen	•	•	Cade	a mare of Mr. Hut-
Pumpkin,	rr. 1746	14 2	Mr. Rogers .			Steady. Spot Forester	
Ranger, b	1749	14 14	Mr. Hutton .			Spol	Mixbury m.
Ripon t ch.	1749	14 14	Captain Shafto			Forester	. sr. to Stadtholder.
Second, b.	1782	14 24	Duke of Devon	shir	re,	Flying Childers	Basto m.
Shakespear	e. ch. 1745	15 3	Lord Godalphin	:		Flying Childers Hobgoblin	. Little Hartley m.
Shorthose,	b. 1753	13 3	Mr. Stanhope			Regulus	Second in.
Silverleg, e	h. 1743	13 34	Lord Portmore			Regulus Young Cartouch .	· Old Cartouch m.
Sloe, bl. 17-	10	14 84	Mr Panton .			Crab	Childers m
Spider, ch.	1752	14 🖽	Lord Portmore			Young Cartouch .	· Miss Langley.
Sprightly,	or. h. 1754 .	13 34	Mr. Swinburn			Cade	Cartuuch m.
Syphon, cu	. 1750	15 0	Mr. Fenwick .			Squirt	. Patriot m.
Tartar ch	1743	14 33	Mr. Crofts .			Partner	Meliora
Teaser, gr.	1739	13 13	Mr. Crofts .			Bolton Starling .	. Bay Brockelsby.
Torismond	, gr. 1739	14 23	Mr Crofts .			Bulton Starling	Miss Partner.
Trimmer,	gr 1748	14 0.	Duke of Bridge	vate	er,	Cade	Bay Brockelsby. Miss Partner. Yeung Greyhound m.
Young Tra	veller, ch. 1746.	15 0	Mr. Coateswor	th		Traveller	Bartlet's Childers m.
-							

*Mary Tartar's dam was purchased at Malton fair, in 1750, for three pounds and a noble, and five shillings returned for luck. Her pedigree could never be traced. After the bargain was made, the purchaser, (Mr. Barker, of Nawton,) impressed with the idea of her having been stolen, refused payment, until she had been properly vouched, according to the custom of fairs and markets. Her blood-like appearance induced Mr. Barker to put her to Tartar, (a son of Partner, a borse of perfect symmetry and great strength,) then covering at Oulston, in Yorkshire. In the following spring she produced Mary Tartar.

†September 24, 1755, Ripon won 50L give and take, at Doncaster, carrying 9st. 8lb. 12oz. beating Lord Rockingham's Cato, 10st. 1lb. 12oz. and Mr. Hudson's Blackbegs, 8st. 3lb. 8oz. The first heat was run at full speed throughout by Cato and Blackbegs, Cato winning by about half a neck; Ripon just saving his distance. For the second heat all three went off at score, and in the last three nules it was impossible to say which had the advantage of the second heat all three went off at score, and in the last three nules it was impossible to say which had the advantage of the second heat all three went off at score, and in the last three nules it was impossible to say which had the advantage of the second heat all three went off at score, and in the last three nules it was impossible to say which had the advantage of the second heat all three went off at score, and in the last three nules it was impossible to say which had the advantage of the second heat all three went off at score, and in the last three nules it was impossible to say which had the advantage of the second heat all three went off at score, and in the last three nules it was impossible to say which had the advantage of the second heat all three went off at score, and in the last three nules it was impossible to say which had the advantage of the second heat all three went off at score, and in the last three nules it was impossible to say which had the advantage of the second heat all three went off at score, and in the last three nules it was impossible to say which had the advantage of the second heat all three went off at score and the second heat all three went off at score and the second heat all three went off at score and the second heat all three went off at score and the second heat all three went off at score and the second heat all three went off at score and the second heat all three went off at score and the second heat all three went off at score and the second heat all three scores are second heat all three second heat all three second h tage: near the ending post, however, kipon got a-head, and won the heat by nearly a neck from Cato. The third heat was, also, desperately contested; but the ungovernable rate at which Cato and Blacklegs run the first heat, gave Ripon an opportunity of winning, which he did, though with a vast deal of trouble.

Before starting 10 to 1 against Ripon; 5 to 2 Cato against Bracklegs; after the first heat, 2 to 1 on Cato; 3 to

Lagainst Blackiegs.

MANAGEMENT OF HORSES.

Extract from the Report of the Committee on Horses, at the late Cattle Show at Concord, (N. H.)

If you have a colt which you design for a disorderly, unruly, poor, mean, short lived horse, the following directions, if strictly observed, are as good

In the summer season put him into a pasture without fence or grass; and it he presumes to pass the may ornament his hoofs with ring bones, and so effectually eripple him in every leg and joint, and ren-

travellers who carry oats, corn, or salt. At three years of age, he should be broken and tutored by a hopeful youth of sixteen, who will initiate him into all the sublime mysteries of racing, jumping, prancing, pawing, and biting. Thus educated, the horse is fit for service—I mean the service of his owner, and no one else. He is well qualified to earry his master to trainings, grog-shops and taverns. In order to ioure him to hardship, the owner of such a horse must ride, or rather gallop him at the rate of line of brush which bounds your pasture, fetter, clog eight miles per hour, on a cold winter's night; and and yoke him so effectually, that he can neither in the height of heat and perspiration tie him, withwalk nor feed. This sort of chastisement will not out covering, at the north-west corner of a tipplingout covering, at the north-west corner of a tipplingonly tend to abate his natural courage and strength. shop or tavern, where he should remain for the space but to improve his gait so wonderfully, that the most of four or five hours, without eating or drinking, experienced jockey will be puzzled to decide if he while his accomplished owner is within, regaling ambles, paces or canters. By this process, also, you himself over a comfortable fire "with reamin" swats wha drink divinely," disputing politics and religion, chewing tobacco and smoking cigars. While the der him so uniformly lame, that, to a novice, he will happy man is thus profitably engaged in moistening appear like a sound horse. In the season of winter his clay, and settling the affairs of the nation, or he should be suffered to run at large, in highways some disputed points in religion, should his horse, and on communs; so that he may learn, as the say- from the effects of cold or hunger, presume, by ing is, to shirk for himself, by plundering his living neighing, to interrupt the sublime harangue of his master, he should go out occasionally—swear at him—kick him, and give him the discipline of the a convenient size to wash a shawl or searf in, add

feeding him plentifully opon meadow hay and ryestraw, the horse, in time, will learn patience under adversity, and grow so orderly and tame, that the owner may even skin him without his manifesting the least resentment or restlessness - About this time, also, the owner will be prepared to be skinned by his impatient creditors, who have been waiting for years and watching the progress and motions of the rider and his horse.

September 13, 1806, died, at Chiswick, the Right, Hon. C. J. Fox, aged 58. This distinguished personage took the lead in every pursuit his ardent mind engaged in. Horse racing was his darling amusement: he always placed himself where the push was to be made; thence he eyed the horses with the most immoveable look; he breathed quicker as they accelerated their pace, and when they came opposite to him he rode in full speed, winpping, spurring, and blowing, as if he would have infused his whole soul into the speed and perseverance of his favourite. At the termination of the contest his ardour ceased, whether he won or lost, and ho directed his conversation to the next race with the utmost sang-froid.

HUNTING SONG.

Now westlin winds, and slaught'ring guns, Bring autumn's pleasant weather; The moorcock springs, on whirring wings, Among the blooming heather: Now waving grain, wide o'er the plain, Delights the weary farmer; And the moon shines bright, when I rove at night. To muse upon my charmer.

The partridge loves the fruitful fells: The plover loves the mountains; The woodcock haunts the lonely dells: The soaring hern the fountains: Through lofty groves the cushat roves The path of man to shun it; The hazel bush o'erhangs the thrush, The spreading thorn the linnet.

Thus ev'ry kind their pleasure find, The savage and the tender; Some social join, and leagues combine; Some solitary wander: Avaunt, away! the cruel sway. Tyrannic man's dominion; The sportsman's joy, the murd'ring cry, The flutt'ring, gory pinion!

But Peggy dear, the evining's elear, Thick flies the skimming swallow; The sky is blue, the fields in view, All fading green and yellow: Come let us stray our gladsome way, And view the charms of nature; The rustling corn, the fruited thorn, And every happy creature.

We'll gently walk, and sweetly talk, Till the silent moon shine clearly; I'll grasp thy waist, and, fondly prest, Swear how I love thee dearly: Not vernal show'rs to budding flow'rs, Not autumn to the farmer, So dear can be as thou to me, My fair, my lovely charmer!

RECIPES.

FOR CLEANING COLOURED SILKS OF ALL KINDS, SUP-POSING AN ARTICLE OF THIS KIND BE A COMMON

bulldogs, and forms a general acquaintance with all whip. By such kind of mild punishments, and by to it a sullicient quantity of boiling water, keep

a hand heat put in your shawl; then, if the texture sale for whatever they will bring, rather than be is strong enough to bear it, it may be rubbed as taken back. It is suggested that if some enterpris-easily as one would wash a linen garment; rinse it ing individual of character, would establish a yard out in lukewarm water, and if it is a false colour it for the sale of stock on commission, where they will be easily seen, by the colour discharging into might be kept in good condition at a reasonable rate the suds. Care, therefore, must be taken to go until sales could be effected at a fair price, a great through the process quickly, having ready in ano deal of stock would be consigned to such an agent, ther pan what the dyer's journeymen call "a drop and the favour thus rendered to the farmer, would of sharp," which is a small quantity of oil of vi-triol, sufficient to give the water a slight acidulous ly lead to the consignment of grain and other proor sour taste; but it must not be too strong, just a duce to such agent. In this way an establishment sufficient quantity to deaden what salts may be in might be created that would be valuable and highly the water; hard spring water, therefore, is best; this convenient to all parties, and whilst it would ensure does for all bright yellows, crimsons, maroon and a fair price to the farmer, would, by increasing the scarlets; but for orange colours, fawns, browns, or quantity, diminish the price to the consumer. A shades from these colours, it will not be necessary certain market for the farmer is better, even though to use any acid. If you are cleaning a bright scar- at a more reduced average price, than a fluctuating let, and the colour should sadden or grow deeper or one, which may to-day give him a liberal price, and duller, it will be necessary instead of oil of vitriol next week afford not enough to pay cost and charges. to use the solution of tin. If the garment should We shall advert again, when at more leisure, to this be very dirty, a second or even a third liquor is required, unless it should discharge or come out too much in the liquor; but whether the colours be false or permanent, this process should be gone that the distressing malady called the sore tongue, through quickly. As most bright colours, such as has appeared amongst the horses in Worcester counreds, yellows, pinks, and the shades from them, are ty. An animal of such singular fidelity and utility furnished by spirits of a strong acidulous quality, deserves our constant sympathy and kindness. At therefore, though of all soaps the soft is least impresent we can only refer to publications in the 1st pregnated with salts, yet it contains a sufficient volume of this journal, pages 297, and 326-7, dequantity to deaden and partly to destroy the acid. scribing the disorder as then prevailing in different The process being too long, it therefore causes the parts of the United States, and pointing out the resalt to enter the pores of the substance, and attacks medies which had proved effectual. The fact seem-the dye which is within the pores, by which means ed then to be established by Mr. Haslam, that the best the colour often fades, and sometimes is wholly dis-reliance was on purgatives freely administered, and charged. To prevent this evil, as soon as the silk that the disorder was not contagious. comes from the acidulated water, it should be gently squeezed (not wrung,) and a coarse sheet should be spread on a table, and the shawl should be put have been sent to us, with the request of the Socieupon it, and rolled in the sheet and wrung, which ties before which they were delivered, that they will prevent the colours from running: this is what may be inserted in the American Farmer. A place the dvers call sheeting silks. The shawl, &c. is then shall be given to them as soon as possible; that of taken from the sheet, and hung up in a warm room Dr. Muse, the zealous and scientific founder of the to dry, and is finished by being calendered or man-Dorchester County Society, will probably appear in gled, without any further trouble. Some dyers our next. whose irons are not hot. All kinds of silk shawls, fancy and painted, and foreign made silks are done whose blood has been transmitted through so many this way. But when you have proof of the solidity generations to the most celebrated racers now on of the colour, which may be known, besides the the turf in this country and in England, will appear forementioned proofs, by its having worn well, if in the next number of this journal.

any spots of a yellow or black cast should happen to be on maroon, red or crimson, this method of "Kirkland's Address". The biographical sketch cleaning will either extract or cover it. As for pinks, of Mr. Adams, given by President Kirkland, in his rose colours, and shades from them, such as flesh address on the 30th ult. cuntained several interestcolours, &c., instead of oil of vitriol or solution of ing facts, which were probably new to the majority tin, a small quantity of lemon juice, or solution of of his hearers. It was stated that Mr. Adams in

THE FARMER.

BALTIMORE, FRIDAY, NOVEMBER 24, 1826.

The next meeting of the Board of Trustees of the MARYLAND AGRICULTURAL SOCIETY will be held at the town residence of Mr. James Swan, on Thursday, the 7th of December. A full and early meeting is desirable, that the scheme of premiums may be finally decided upon.

*Farmers of wealth and judgment on the E. Shore of Maryland, have suggested that they expeadvantages which this market ought to afford them, advantages which this market ought to afford them, Wine—On the construction of Ice houses - Boring for in the sale of their surplus fat stock, such as is usual- Water—Chesapeake and Delaware Canal—The Mother

beating and stirring it till it be dissolved, and till a lege, upon the decks of boats, and, for want of some strong lather rises on the top of the water; when at convenient establishment, must go off under a forced subject.

33- It will be seen by the letter from Dr. Spence,

There are several Agricultural Addresses, which

A portrait of the celebrated Godolphin Arabian,

white tartar, or even vinegar, should be added to early years, possessed a decided inctination for the the finishing liquor.

ticeship in agricultural labours, from which his friends were induced to withdraw him by the judgment they had formed of his capacity for pursuits more exclusively intellectual.

> Important improvements in the structure of the Cotton Planter and Cultivator," bringing that valuable implement to a high degree of perfection for various uses, have been explained to us by the inventor, but we regret, not in time for this paper.

CONTENTS OF THIS NUMBER.

Brighton Cattle Show Reports, No. 2-Dorchester Agricultural Society-Agricultural Society of the Valley Soil and Climate of the Western and Atlantic States rience much difficulty in availing themselves of the advantages which this market much the market much the first them. ly sold upon the hoof—as Cattle and sheep—especially the latter. Sheep are sent here, as they nl-Hunting Song—Recipe for cleaning Silks—Editorial-

ı	PRICES CURRENT.									
	A DELGT DO		WHOL	ESALE.	RE'	TA1L .				
	ARTICLES.	per.	from	to	from	to				
1	BEEF, Baltimore Prime,	bbl.	8 00	8 50						
1	BACON, and Hams,	lb.	6	10	9	12				
1	BEES-WAX, Am. yellow	-	29	30		50				
ı	COFFEE, Java,	-	161		20	22				
ļ	Havana,	-	14	1		20				
l	COTTON, Louisiana, &c. Georgia Upland,		11	14						
i	COTTON YARN, No. 10,		28							
ı	An advance of 1 cent									
ı	each number to No. 18.									
1	CANDLES, Mould,	_	13		16	18				
	Dipt,	-	11		• •	14				
	CHEESE,	_	8 g 30		12 37	15				
	FEATHERS, Live, FISH, Herrings, Sus.	bbi.		0~	31	1				
	Shad, trimmed,		6 00		•					
	FLAXSEED,	bush	80							
١	FLOUR, Superfine, city,	bbl.	5 12		5 25	6 25				
	Fine,		4 75	1						
	Susquehanna, superfi.	— 25 lb	5 00		5 50	none				
	GUNPOWDER, Balti GRAtN, ind. corn, yellow	bush	5 5 2	1	0 30					
	white	- Justi	52	1						
	Wheat, Family Flour,	_	1	1 121						
,	do. Lawler, & Red, new		1 00	1 02						
7	do. Red, Susque		1 00							
t	Rye,	_	75							
t	Barley,	— hus}	1 12 <u>1</u> 4 50		5 00					
	Clover Seed, Red Ruta Baga Seed,	bush lb.	87		0 00					
ŀ	Orchard Grass Seed,	bush	3 00		3 50					
	Mangel Wurtzel Seed,		1 25		1 50					
_	Timothy Seed,	_	4 00	. 1	4 50					
t	Oats	-	48	1						
ı	Beans, White,) 25 205	1 50 220	1 87					
	HEMP, Russia, clean,	ton	120	200						
	Do. Country HOPS, 1st sort, (1826)	1b.	25							
1	HOGS' LARD,	_	7	1	12					
-	LEAD, Pig	lb.	64							
7	Bar		7 to 2 l		32					
•	LEATHER, Soal, best, MOLASSES, sugar-house	gal.	46	1	621	75				
f	Havana, 1st qual		30		371					
9	NAILS, 6a20d	lb.	61		9					
•	NAVAL STORES, Tar,	bhl.	1 50	1 623						
	Pitch,		2 1 75							
,	Turpentine, Soft, OIL, Whale, common, .	gal.	30		40					
y	Spermaceti, winter .	_	80	1	88					
1	PORK, Baltimore Mess,	bbl	11 00							
r	do. Prime,	_	8 00							
	PLASTER, cargo price,	ton.		3 621						
	RICE, fresh,	bbl.	0.1		5					
1	RICE, fresh,	lb.	12		18					
S	Brown and yellow,		5 1	8	10	12				
-	WHISKEY, 1st proof, .	gal.	36		38	50				
y	PEACH BRANDY, 4th pr		75	1	1 25					
n	APPLE BRANDY, 1st pr	c lh	29 12 50	30 13 50		15				
e ~	SUGARS, Havana White, do. Brown,		10 50	1 -						
s	A contations	_	9 75			11				
5	Loaf,	lb.	19	22	20	22				
s	SPICES, Cloves,	-	70	ł	1 00	13				
•	Ginger, Ground,	-	16		12 25	13				
	Pepper,	bush	16		75					
е	SALT, St. Ubcs,	ousn	48	1	75					
•	Liverpool ground SHOT, Balt. all sizes, .	clb.			12					
r		gal.	2 50	3 00	3 50					
	do. Sicily,	-	1 10		1 50					
	Lisbon,	-	1 05		J 50 5 00					
=	Claret,	doz.	1 65	8 1 85	5 00	0 00				
	Port, first quality,	gal.	30		1	1. 2.1				
r	woot, Merino, full bl'd do. crossed,	-	20			sh²don een's				
y	Common, Country, .	-	18	22	bac	k & free				
S	Skinners' or Pulled,	1-	20	25	fror	n tags.				
ì										
r	Printed every Friday, at	\$5 1	er an	num, i	or JO	IIN S.				

SKINNER, Editor, by John D. Tex. corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

THE SILK WORM.

The resolutions of Mr. Miner, at the last session of Congress, have drawn publick attention to this probability, the particular kind, which is said to be some time, and which they know to be in good important subject, and all the developments which at present cultivated in the kingdom of Valencia, in heart. When this ground is thoroughly dressed, have followed, seem to have demonstrated the suita. Spain, for the use of their silk worms; and, indeed, they make drills at the distance of two feet from bleness of our climate to the growth of the mulber many of their old plantations in France, consist of each other, in which they sow the seeds, in the same ry, and the practicability of rearing the silk worm this sort. But their new plantations consist wholly manner as they usually do lettuce for salads. They be more congenial to this new enterprise than in the their nursery grounds, for the use of their silk weather happens to be dry, they water it slightly East, will insure the pains and attention to minutive worms; so far at least as I had occasion to see once or twice a week, as they judge to be necessawhich are required, we cannot undertake to say; we them. are satisfied, that in referring the subject to the Secretary of the Treasury, it has been committed to white mulberry, the leaf of which is more tender during the first week in June; and I observed that able and patriotic hands. To have invited his attenployment for the skill, and capital, and industry of quality. tion to an enlightened mind, long devoted to the publick weal. It has given us pleasure, in our hum but in this particular the fact stands much otherways. We be way, to collect facts illustrative of the subject, For although the white mulberry may not perhaps, take and when we shall have completed the publication produce any fruit in a climate so far to the north as and from time to time, to point with a spade or a of the following memoir, we apprehend, that (taken ours, which, however, I do not take it upon me to hoe, the ground in the intervals betwixt the different in connection with other practical essays and details say is the case; yet the truth is, that in climates such drills, of domestic experiments published in this volume of as that in the south of France, this tree carries fruit the American Farmer,) little will remain but to in very great quantities, though it is of a smaller they take up the plants; such of them as arc of the apply the results to the political and other circum-kind than either of the two already mentioned. It stances of the country; leaving it to the wisdom of is of a dusky white colour, rather inclining a little Congress to say what legislative provision can be to the yellow; and contains a number of small seeds, made to give effect to the existing capacities and like mustard seed; from which large nurseries of from each other, that there may be room for clean-disposition to supply ourselves with silk of domestic this valuable tree are now annually raised all over ing and dressing the ground betwixt the plants. At growth.

OBSERVATIONS ON THE CULTURE OF SILK, By the late Archibald Stephenson, Esq., of Mongreenan. in Ayrshire.

(From the Technical Repository.)

care, the manner in which this lucrative branch of practice of grafting prevailed for a great many manufacture and commerce was carried on: and, years all over Provence and Languedoc. employed to any great advantage in raising corn.

account of the mulberry tree, since, as the Society diseases of any kind, than those that were fed upon the top, until the following spring, when they take justly observes, this is the first object which claims any of the other kinds of leaves above mentioned; care to leave none but three or four branches to our attention: because we first of all make some and that their silk turned out to be of the very hest form the head of the tree; and as the buds come provision of food for the silk worms, before any trial quality. Since that time, namely, 1765, a decided out, they take off all those which appear upon the propriety, or indeed with any rational hope of youd all the others.

which have been cultivated in France. The first of gardeners, at least whom I had occasion to meet trees, when too thick of wood, and particularly to these bears a fruit well known, and frequently pre-with in France, it may, by some, perhaps be reckon-cut off any branch which seems to take the lead sented at table, being the same which is cultivated ed unnecessary for me to say any thing here, with from the rest, and to engross more of the sap than in our gardens in the neighbourhood of London respect to the culture of the mulberry tree; but what falls to its share, that the different branches But the leaves of this tree have been found, from when it is considered that the culture of this tree may increase equally as much as possible.

experience, to be too harsh and too succulent, to has been so anxiously attended to in France, for a After the trees are planted out, and likewise while prove in every respect a proper food for the silk- loog period of years past, and that I do no more the plants are in the nursery grounds, they take worm; and the silk it yields turns out to be coarse, than justice to the French gardeners, when I say, care to dress the ground about the trees regularly and of an inferior quality.

The second kind of the black mulberry tree carries not be decided anogened anogened anogened and the last of it has been cultivating the mulberry tree.

Here it is proper to mention, that it is the practice in France to plant out some of their young

THE CULTURE OF THE MULBERRY AND found to be superior to the first, as food for the silk

in abundance. Whether the habits of our population of the white mulberry tree, hereafter to be mention- then cover the seeds lightly with some of the finest in the South, where natural circumstances seem to ed, which is the only one they now cultivate in all earth, after putting it through a sieve; and if the

tion, as Congress has done, to a new branch of em has been found to produce silk of the finest and best in the practice of sowing the seeds at three different

the southern parts of France.

We shall record the further proceedings of Congress in relation to the inquiry instituted by the was introduced into France, the people were accusagricultural committee, on this and other matters.] temed to employ the leaves of all the different kinds of mulberry trees before mentioned, promiscuously; and some grafts of the white mulberry from Pied-nont, and from Spain, which carried a larger leaf obtained from these countries; these grafts were the fall of the leaf in autumn. put upon French seedling stocks, which had the When the plants in the nur Having resided for five years in the provinces of effect of increasing greatly the size of the leaves, Languedoc and Quercy, in the south of Frence, and was regarded as an acquisition, as it certainly where the utmost attention is paid to the culture of produced a larger stock of leaves as food for the silk; I embraced that opportunity of observing with worms. The consequence of which was, that this

indeed, I was led to bestow the more attention upon But Monsieur Marteloy, a physician at Montpel- which makes them come on briskly the year fol this important subject, from an idea I entertained, lier, who had made the culture of the silk worm his lowing. that this valuable culture, by proper care, might particular study for a number of years together, at certainly be introduced into Great Britain, particular study for a number of years together, at last made it clearly apparent to the conviction of inch diameter, they plant them out in the fields there are large tracts of land, which would answer perfectly for the production of the mulberry tree, seedling white mulberry was the food of all others. and which from the nature of the soil, can never be the best for this valuable insect; as the worms which deep were fed with this particular leaf were found to be It appears proper to begin, by giving some little more healthy and vigorous, and less subject to the whole buds which the trees have pushed out on at large can be carried into execution with any preference has been given to this particular leaf be- body of the tree, from the bottom all the way up to

There are two kinds of the black mulberry tree intelligent in their business than any of the French mentioned, they take care to open the heads of the that they succeed perfectly in this culture, it may three or four times a year, which greatly assists the The second kind of the black mulberry tree carries not be deemed altogether improper for me to add trees to get on.

I shall, therefore, go on to observe, that their first worm; and it is less harsh, less succulent, and yields object is to make choice of a spot of ground for silk of a finer quality than the one first mentioned, their seed bed, of a gravelly or sandy soil, which This second sort of the black mulberry is, in all has been in garden culture, or under tillage for These seeds they sow as above, at any time There is a third sort, known by the name of the from the end of April to the end of May, and even times during the same season: to wit, the first sowhis countrymen, was flattering to his admitted publick spirit, and will have afforded agreeable occupations with the beginning of

When the plants are fairly above ground, they take particular care to keep them clear from weeds,

After remaining for two years in the seed bed, It size of a writing quill, they plant out in the nursery grounds; each plant at two feet distance from each other in the row, and the rows at three feet distance transplanting, they cut off nearly the half of the root, and also cut off the tops at about six or seven inches above the ground. All the other plants which are too small for the nursery, they plant out thick by themselves, to remain for another year, or and some grafts of the white mulberry from Pied-two, if necessary; after which they plant them out mont, and from Spain, which carried a larger leaf than the one they had got in France, having been time for transplanting the mulberry tree is just after

When the plants in the nursery are sprung, they take care to strip off the side bude, and leave none but such as are necessary to form the head of the

If the plants in the nursery do not shoot well the first year, in the month of March following they cut them over about seven inches from the ground;

During the first year of planting out, they leave those which are left to form the head of the tree; As our British gardeners are, in my opinion, more and for several years after, at the seasons above

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sheltered situation, in a garden, for example, where after having been stripped of their first leaves for the pend the soil is not over rich; and if it can be had, where use of the silk worm, are not allowed to fall of them—

He told me there was a gentleman, a surgeon of the soil has a great proportion of gravel or sand; selves in autumn. They are gathered for the second Nismes, in Languedoc, who had a tract of very poor the intention of which is, to procure early leaves for time with care, a little before the time they would fall ground in that neighbourhood left to him by his the worms in their infant state; as these leaves naturally, and are given for food to their sheep, and little; which, when it came into his possession, generally come out more early upon dwarfish plants in a sheltered situation, than upon the trees planted out in a more open exposure; and upon this occasion they have also recourse for tender leaves to the mountains of Cevennes, was extending itself rapidly over that part of the mountains of Cevennes, was extending itself rapidly over that part of the grounds.

also be obtained by the same means from Spain; most of the peasantry of that kingdom. the seed from which country is even preferable to from the seedling trees.

From the experiments carried on by Monsieur was employed, were greatly to be preferred.

From these experiments also, one of the reasons, and apparently the principal one, may now be pretty farmers to plant mulberry trees upon their grounds, must be careful every night, in the spring and sumclearly pointed out, which rendered abortive the unknown in England, at the times these different trials were made. It appears to have been only desire to plant out upon their grounds; and proper this, that they had no other food to give to their directions are ordered to be given along with the upon the trees till they are pretty old; and though worms but the leaves of the black malberry, carryting the large fruit usually presented at our tables, care of these public nurseries, that the people to out, yet they hurt them greatly, and retard their which is now altogether rejected in France as an whom the trees are thus given may know how to growth. These snails, therefore, must be gathered improper food for the worms; and which was rentreat them properly. This beneficent public meaning that they have the
low in the middle, so as to give a free passage for of the silk worms.

This last circumstance has given great encourage—the mulberry trees, nor to the eggs of the silk such aeeidents.

They should also take care to prop the different them. trees with stakes, to prevent them from wind-wav- Grounds of the above description had formerly

their young plants in the seed bed and nursery the peasantry over all that neighbourhood were country, he planted the whole of his little property ounds.

miscrably poor, as their soil, which is mostly gravel with white mulberry trees, the leaves of which, as

Any quantity of the seed of the white mulberry and sand, was incapable of carrying crops of any his plantation advanced, he found he could regularcan be obtained either from Montpellier or Mar- kind of grain whatever. But as it was found, upon ly sell annually for ready money to the people in can be obtained either from Monte and the people in seed shops. And if you do not choose to trust tree, the people entered with great alacrity into the amployed themselves in the culture of silk; and my entirely to the seed shops, a friend at either of those culture of silk; and they have succeeded so well in friend informed me, that these very grounds, after places may be applied to, who will take care to pro- that lucrative branch, that from having been amongst laving been only sixteen years planted, gave a replaces may be applied to, who will take care to pro-cure for you the freshest and best seed. It may the process, they are now more at their ease than hir to the proprietor of twelve hundred livres year-cure for you the freshest and best seed. It may the process, they are now more at their ease than hir to the proprietor of twelve hundred livres year-v; amounting to fifty guineas of our money. This

that from France, as the Spanish tree carries a in the district above mentioned, and which is re-larger leaf than that of France, and has the leaf markable for the manufacture of silk stockings, I seed the same plan with equal success; and some equally tender and good as the other, when used was carried to see some mulberry trees, belonging of them who had grounds of the same quality to a farmer in the neighbourhood of the village, which had been long planted with vines, actually which were the first that had been introduced into grubbed up their vineyards, and planted their Martelay, that gentleman made it fally appear, that that part of the country. The trees were remarka-grounds with the white mulberry; and here let me the leaves of the trees which grew in a rich soil, bly large and fine, and little inferior in point of size add, that the mulberry tree is long lived, there being they were too luxuriant and full of juice for them; and that the leaves of those trees which were rais ed in a gravelly or sandy soil, where no manure largest of them brought a return to the farmer's far largest of them brought a return to the farmer to the farmer's far largest of them brough mily of a louis'd'or each of them yearly.

trials made in England, during the reigns of James l. keeping up large nurseries of these trees in many plants for a little snail without a shell, which is very and Charles II. for introducing the culture of silk into different parts of the country, from whence the fond of the bark of these trees when young and Great Britain: though that reason was altogether small heritors and farmers are liberally supplied preys upon them prodigiously. These snails will trees, by the gardeners who are charged with the they do not absolutely kill the trees when planted dered infinitely more destructive for these insects sure is attended with great advantage to the counsinset, which is better than in the morning, beby the trees which produced them having been all try, as the poorer people are by this means saved cause the mischief they occasion is generally done of them reared in the richest ground in England; from the trouble and expense of rearing the trees, in the night, and they must be burnt, or otherwise namely, in the garden grounds about London, until they come to be of a proper size for planting effectually destroyed; for it you do not kill them which we know are in a manner yearly loaded with out in the fields, where they are intended to remain. they will find their way again to the trees.

ung.

From the extension of the culture of silk over all The winter of 1765. I passed at Montauban, in The mulberry trees ought not to be pruned the first the southern parts of France, there is a great in Quercy, when the frost was so extremely severe year after planting out, for fear of making them creasing demand yearly for the mulberry leaves; so that it not only destroyed the greatest part of the bleed too much: but in the second spring it is that they are now become as much an article of leguminous crops, and almost the whole produce of reckoned advisable to dress their heads, and to concommerce as any other vegetable production; the kitchen garden, but also many of their vines, tinue to repeat that dressing yearly, during the next peasants with eagerness buying them up annually fig and olive trees, and a great part of the orange ten or twelve years; taking care to make them hol- with ready money at the proper season for the use trees in their green houses; yet that frost, with all

After the first twelve years are over, it will be suffi- ment to gentlemen of property to raise extensive worms. This frost continued for two months tugecient if a dressing of the same kind is regularly plantations of mulberry trees upon their estates; as ther, and was within two degrees and a half of the given to them once every three years. But as some they bring in a certain and steady revenue, with great frost in 1709. But what is still more remarkof the branches may probably be broken annually, little trouble or expense to the proprietor, after the able, I was assured from the most respectable auin gathering the leaves, care must be taken to prune trees have once passed the risk of being hurt by thority, that even the frost of 1709 did not cause all such branches as may happen to be thus broken, cattle. And this improvement is of the more conthe smallest injury to the mulberry trees, though it to prevent the trees from suffering materially by sequence, because the grounds that are found to be destroyed many of their vines, and almost their the fittest for production of the mulberry trees whole fig and olive trees all over Provence and which afford the best food for the silk worms, being Languedoc. From which two instances I think it In planting out the mulberry tree in the field which afford the best food for the silk worms, being where it is to remain, care must be taken to cover gravel or sand, cannot be employed with any may be fairly inferred, that we have no reason to the roots properly, so that the earth may not lie advantage in the raising of eorn, more espe-dread any danger to the mulberry trees from the hollow upon them, which would injure the plant cially where the manures lie at a distance from severity of our British climate.

ing; placing straw next the body of the tree, to been in use to be planted with vines; but the returns prevent the bark from being hurt; and it will from these were far from being equal to what is obbe proper also to surround them with briars or tained from grounds of the same quality when plantbrambles to preserve them from all injury from ed with mulberry trees. As an instance of this, I pose to set apart for seed, which must be thorougheattle.

Here it is proper to remark, that the second crop particulars, which I had from a gentleman, on large tub or vessel, where you cause a person to

plants from the nursery by way of espalier, in some of leaves which come out upon the mulberry trees, whose veracity I am certain I could fully de-

He told me there was a gentleman, a surgeon of ost of the peasantry of that kingdom.

When I happened to be at Gange, which is withmprovement having been carried on under the eye

ily of a louis'd'or each of them yearly.

As an encouragement to the small heritors and they are planted out in the fields to remain, you the French government are at an annual expense in mer seasons, to examine with care all round your

I shall now proceed to give an account of the manner used in France for disengaging the seeds from the fruit of the mulberry, which requires a considerable degree of labour, as well as attention.

Having gathered the quantity of fruit you pro-

cells in which it is contained.

to rest upon it. far with water that it may rise more than half way great a quantity as you please. up the brim of the sieve, when placed upon the piece of wood, you then put a handful or two of the est importance, so far as they occurred to me, in bruised fruit into the sieve, which you rub hard relation to the first and leading branch of our sub- of colour, after being kept for some time, as above with your hands upon the hottom of the sieve, in ject; the next which naturally falls to be considered, mentioned.

order to make the seed pass through the holes, and is the method observed in France in hatching the One ounce every now and then you lift up the sieve with both worms. But below proceed the following par-bands, and shake it to make the water pass through may not be improper to premise the following par-tity.

These things being premised, I shall now proceed rubbing the fruit with your hand upon the bottom ticular attention. of the sieve as above, you also take it and rub it Here then i must observe, that the greatest care heartly betwixt the two palms of your hands, rub ought to be taken to procure healthy good seed or bing the one hard against the other; as it takes a eggs, because it has been ascertained from repeated gaged out of their little cells, which must be done the worms were infected with bad air, carries along reckon it advisable to divide them, and prepare them holes of the sieve.

This work must be repeated till you observe that year were subject. the whole of the seed has passed through the holes of the fruit, until you have finished the whole.

the tub, and pour off all the water, when you will above mentioned.

mixed together at the bottom of the tub, into another vessel, and fill the tub with water as at first, having put the piece of wood and the sieve in their proper places as before, after which you pass the countries. pulp and seed, by degrees, through the sieve, by rubbing it with your hand upon the bottom as before, and lifting up the sieve from time to time, with both hands, and shaking it, as already mentioned. In passing it this second time you will disengage a great quantity of the pulp, which you throw aside of the seed remains amongst it.

You then pour off the water as before; and if you find that there is still some of the pulp remaining with the seed, you must pass it a third time through the sieve, which will effectually clean it, if your sieve is fine enough.

If your sieve is too coarse, that is, if the holes are too large, it will occasion you a great deal more

framp and press it with his bare feet, in order to ries a double, nay, nearly a triple quantity of leaves prevent any danger from changing the eggs. bruise the whole of it thoroughly, and by that to what it can do in the hotter or drier climates, such corked and sealed as above, put the bottle into a means disengage the seed from the little pods or as that of the south of France, which is judged to double case, or box of wood; not only to preserve be owing to the moisture of the climate, and the su- the eggs from all damp from the sea, or otherways, You must at the same time have in readiness perior richness of the soil In a cold muist climate but also to protect them from too much heat, which another tub, which must be pretty deep, into which a person is not able, even with the utmost care, to would cause them to hatch. If the bottle is too you introduce a piece of flat wood, which must be produce above the half of the cocoons from the full, the eggs will lie too close one upon another, made to rest upon the sides of the tub, at the dis-same quantity of eggs which can be done in a warmtance of six, eight, or more inches from the bottom er and drier climate But as in the colder climate of the tub, as you shall judge to be necessary for the mulberry tree carries nearly three times the your quantity of fruit. This cross piece of wood is quantity of leaves, which it can do in the other; calculated to support a round cane sieve, which is from thence it arises, that the colder climates, such This sieve must be very fine, that as those before mentioned, are able, upon the whole, is, the holes must be very small and close set toge to raise at least as much silk, from the same quan ther, that as little of the pulp of the fruit as possi- tity of eggs, as the warmer countries; because the ble may go through the holes along with the seed. quantity of food is the great article, as the grain or Things being thus prepared, and the tub filled so eggs of the silk worm can easily be multiplied to as

great deal of work and pains to get the seed disen-experience, that the eggs from those houses where after you have begun to prepare your eggs, they effectually before the seeds will pass through the with it to the worms produced therefrom, the same for hatching at two different times, at the distance distempers to which the worms of the preceding of ten or twelve days, the one after the other.

of the sieve; after which you throw aside the pulp, should be kept in sume dry place, with a free air not proceed to that as soun as you observe that there is and must proceed in the same morner with the rest too bot; and that you should avoid keeping them in a prospect of having a sufficient quantity of food for You then take the sieve and piece of wood out of of damp is found to be destructive to them.

find the seed at the bottom; but along with it a degenerate in the space of five years; hence a change usual time of hatching; first to put your eggs in litgreat quantity of the pulp, which has been forced through the holes of the sieve, in rubbing the fruit care to have the eggs brought from a warmer to a pulp upon plates, for example: and put those plates con-I should have noticed, that all the seeds which to another. For example, eggs brought from the where you had kept them during the winter; for exswim upon the surface of the water, are light and Levant, the isle of Cyprus, or from other countries ample, if you have an alcove bed, place them upon good fur nothing, and must, therefore, be thrown of the same latitude, ought not to be brought at once the shelf within the alcove. Let them remain in You then put the pulp and seed, which you find north of France; but should be first brought into you must prepare some little chip boxes, perfectly such a climate as that of Provence or Languedoc, clean and neat, seven inches long, four inches broad, from whence, after having remained there for two and four inches high, and cover them on the inside years, it can be brought with safety into the colder with clean white paper, into which put the different

them, that the greatest part of the worms will die. from time to time, as soon as you observe that none yoursell sufficiently with eggs, which every succeed to keep in the heat communicated by the mattrass fixed and steady than with us in England.

In transporting the eggs from one country to ano spread the seed upon a clean cloth, and expose it to of heating them, and causing them to hatch. The self, keeping up the same heat as nearly as you can, the sun, till it is thoroughly dry. Three days, or bottle heing but half full, leaves sufficient room to until you go to bed again yourself in the evening. even four days of a full sun are necessary to dry and the eggs to be tossed upside down, by the motion of harden the seed properly for keeping.

Having kept them in this situation for eight or the vessel, which keeps them cool and fresh, and nine days, you must then put your different divisions Upon this part of our subject it seems proper to hinders them from heating. After putting the eggs of eggs into little pieces of old linen cloth, which add, that in a cool moist country, such as about Pal into the bottle, let it be carefully corked; a cover of ris or London. it is reckoned the mulberry tree car-lleather put over the cork; and let that be sealed, to

and will in that case heat of themselves, and hatch, and consequently in both cases must be lost.

The eggs that are duly impregnated by the male butterfly are of a grey cindery colour, which colour they preserve till they are properly prepared for hatching, as after-mentioned. The eggs which are not duly impregnated, are readily to be distinguished from this circumstance, namely, that after having been kept for some time, they always continue to be of a yellow colour; and I need scarce add, that all such eggs are good for nothing, and ought, therefore, to be thrown away. There is no distinguishing between good and bad eggs, but by the change

One ounce of eggs will produce 40,000 worms; every now and then you lift up the sieve with both worms. But before proceeding to this article, it and so in proportion, for a larger, or smaller quan-

> to describe the method I observed to be used in France for hatching the worms. In urder to avoid the loss which must necessarily follow, it the mulberry leaves should happen to be destroyed by frost.

The advancement of the season determines the The eggs, in order to be properly preserved, time of preparing your eggs for hatching, as you any vault or cellar under ground; because any kind your worms, by the advancement of the leaves of damp is found to be destructive to them.

The eggs of the silk worm have been found to for this work, you must begin a month before the degrees, and not carried at once from one extreme taining the eggs in a place a little warmer than into such a cold climate as that of Flanders, or the that situation for the first five or six days, after which divisions of your eggs, having a small box for each The first year that the eggs are brought from a division, and place these boxes in a basket, upon a warm to a cold climate, you must not expect great stool or chair, at the foot of your bed; making one success from them; on the contrary, you will find, of the mattrasses of your bed go underneath the though the utmost care and attention are given to basket; and cover the basket on the top, first with some cover of woollen cloth, which pin close over But still you will be able to save enough to stock it, and above that place a bed cover above all, so as ing year will be found to answer better as the worms to the eggs; in which situation let them remain for become naturalized to the climate, which can only six days longer; after which increase the heat to 14 be brought about gradually; and indeed more time degrees of Reaumur's thermometer,* preserving will be requisite for this purpose in Britain than in that heat equal, day and night, by means of a little France, as the climate upon the continent is more fire in some corner of the room at a distance from the bed.

In the morning when you get up, put a heater of ther, especially when this is done by sea, you must one kind or other: for example, a fin bottle with hot work, as you will be obliged to pass it oftener through urder them to be put into a bottle, which ought not water, or a foot stove, into your bed betwixt the the sieve, since that operation must be repeated till to be filled more than half full, that the eggs might sheets, and proportion that heat so as to equal the the seed is perfectly clean; after which you must not lie too close together, which might run the risk heat you give to the bed, when you lie in it your-

^{*} Or about 59 degrees of Fahrenheit.

as the least dirtiness in the cloth would prove prejudicial to the eggs; each piece of cloth should be whether he means by this expression, the preservaof the eige of a first square; turn up the ends of the tion of the fleece, or the maintenance of its quality

A very little reflection, will satisfy Columella, piece of cloth, and tie them with a bit of thread, as and value." "In selecting Merinocs, I would pay that the question is not, whether fat sheep have the eggs will lie loose, and can be shook, and turn- mity of the fleece, and their general healthiness." ed from time to time, without untying the knot: replace these packets in the basket, and cover them up as before, turning and shaking the seed in the packets three or four times a day, that it may receive the heat equally.

(To be continued.)

AGRICULTURE.

MR. CALDWELL IN REPLY TO COLU-MELLA.

Philadelphia, November 18th, 1826.

TO THE EDITOR,

Sir,-Having observed in the American Farmer of the 10th instant, some remarks on my correspondence, I beg leave to say, with all proper respect for your correspondent Columella that (to use his own words,) "there is a want of precision either in my expressions or in C's concep-tion of them." For example, in reply to certain "I have generally found the finest fleeces to contain is not my duty to reconcile the inconsistency.

the most yolk, yet I have known exceptions to this If there has been any "man of straw" in the general rule, in sheep that appeared to have a peexceptions, however, have been so rare, as to The verdict must be, "felo de se." ESTABLISH in my opinion, the correctness of the general rule."

"It is there," says Columella, "specifically admitted by that intelligent breeder, that those sheep which have the most copious secretion of yolk, have not the finest wool, or at least that they have not generally the finest wool."

I submit to the reader whether any such admission can be drawn from the expressions which I have used, and refer to the paper itself, for the ingenious process, by which I am represented as saying the very reverse of what I did say. It may nevertheless be proper to state that I had no allusion describes, and confidently affirms to be the particuhar exceptions, to my general rule. I consider that

In this, as in all other matters, I disclaim all premy opinion because it had been asked; and I now mation in my power. offer such explanations as seem to be necessary in relation to the exceptions to the general rule. It was my intention to designate those fleeces which met with, where the yolk had become hardened or concreted into masses of a yellow crumbly substance, instead of being equally and uniformly diffused, and of an oily consistence, as is the case where the se-cretion has been regular and healthful. I never could have suspected, that any one would consider the terms "peculiar secretion and concretion of the tation from the American Farmer of January 13, yolk," as synonymous with "the most copious secretion of yolk," and am surprised that so intelligent, and experienced a writer as Columella, should have tenacious of this opinion have flocks in bad condifallen into this error.

say, "BY INFURENCE," "that yolk is NOT a characthe theory was the cause or the effect of the bad teristic of the Merino race." This inference, he condition of their flocks." says, "is erroneous," and that he has "no where said any thing from which it could be drawn." How mit, that all the secretions of the male, in the whole far he is justifiable in making these assertions may be seen where he has declared, (American Farmer, than those of the female. The question should Dec. 30th, 1825.) "abundance of YOLK IS RABELY have been, how does it happen, that "those runs"

of the size of a foot square: turn up the ends of the tion of the fleece, or the maintenance of its quality near to the top or end as possible; by means of which no regard to any thing but the fineness and unifor- coarser wool than lean sheep, nor whether rams have

13, 1826-

"As the inspection of the wool over the whole fleeces, than those which have little or no volk. body of the sheep, will be the best possible guide to determine the value of the animal, there is no occasion for examining other marks, such as YOLK,"

The reader will observe that Columella is there instructing the ignorant how to select MERINO sheep. and he particularly charges them to pay NO ATTEN-TION TO YOLK, but to avoid it, as a useless ingredient, and to reject those sheep in which it abounds. Is it not then a just inference, that Columella did not believe yolk to be a characteristic of the Merino race?

characteristic marks must be regarded.

But, says Columella, in selecting Merino sheep, volk is not only to be disregarded, but avoided. Consequently, Columella does not believe yolk to be a characteristic of the Merino race. If he has said queries, I ventured to use the following expressions: any thing to the contrary to suit other purposes, it

case, he was not of my begetting, and if his head culiar secretion and concretion of the yolk. These has been "cut off," "thou can'st not say I did it."

Let us now take into consideration the queries, with which Columella concludes his last communication; they are as follow.

"If yolk is necessary to the growth of fire wool, and the finest fleeces have usually the greatest quantity of it, how does it happen that Southdowns and several other breeds, have as fine or finer wool than half-blood Merinoes, while the latter secrete a much greater quantity of yolk?"
"How does it happen that high fed sheep have

more yolk and coarser wool than low fed sheep?"

"How does it happen that rams have more yolk and coarser wool than ewes? Does not reason teach to those sheep of "dark exterior," which Columella us to doubt a theory which has such difficulties to reconcile?"

As these queries seem to be partly addressed to "dark exterior," as prima facie evidence of fine me, I will answer them with much pleasure, as far wool, rather than of the contrary. portunity of saying, that it will always give me tension to infallibility of judgment. I merely gave pleasure to communicate to Columella, any infor-

In reply then to the first query, I can only say, that I doubt the fact there assumed. I have never seen any Southdown sheep, but those imported by every experienced breeder must have occasionally Mr. Powel, and I do maintain that those slicep have quite as much yolk as the fleeces of half-bloud Me-

As to the second query, I think we ought not to be called upon to answer that, until Columella has satisfied HIMSELF of the fact.

That he doubts it, is proved by the following quo-1826, where he says, in reference to this query-

"I have mostly observed, that those who are most llen into this error.

Columella objects to his having been made to starvation; and I have been led to doubt whether

As to the last query, Columella will himself ad yound in the best woolled animal, nor is this ingre- which have the most yolk, have coarser fleeces than

must be washed thoroughly clean for that purpose, dient at all necessary, much less 'essential,' as Mr. those which have less." This is the veay MATTER as the least dirtiness in the cloth would prove pre-Powel supposes, for the 'support of the fleece,' in dispute. I have no hesitation in saying that I

coarser wool than ewes; but other things being And again, in the American Farmer of January equal, whether those sheep which have an abun dance of yolk have not finer and more valuable

JAMES CALDWELL.

SALE OF WOOL,

(From the Boston Statesman.)

Enclosed you have the last sale of Wool at Boston. The price has lowered nearly 20 per cent. Be so good as to insert it. The account of sales will be interesting to the Woollen Manufacturers. Yours, &c.

Sale of Wool, in Boston, the 15th inst. by David I will prove it thus. Columella certainly knows and admits that in selecting breeders of any race, six months; over 1000, six and nine months.

380 lbs. fine grade fleeces, washed, lb. 41 cts. full blood do 280 43 lambs' 66 43 66 28 pulled 43 pieces washed 725 16 250 full blood fleeces in the grease 28 fine high grade fleeces washed 120 4.1 full blood fleeces 280 do 51 selected do 430 51 950 grade do very elean 36 do do in the dirt 312 350 various ficeces washed 21 250 1st sort lambs' wool do 41 500 grade fleeces 41 220 fine fleeces in grease 20 230 full blood fleeces washed 220 do in the grease " 400 merino do 81 1800 high grade washed 2000 66 fleeces in grease 80 800 grade fleeces washed 34 1600 full blood, high grade washed 1700 do do 49 66 1400 do do 48 1300 66 do do 49 900 grade fleeces 40 1100 do washed 41 600 do do 34 550 do do 36 10 do pieces 36 1100 full blood, high grade, washed 44 1600 fleeces high grade flecces do 46 900 1300 flecces do 50 1250 do 48 do high grade fleeces 1300 do 38½ 300 full blood tlo do 41 200 do in grease 24 200 merino 28 do do 600 washed 87 do do 400 grade do 28 do 400 full blood fleeces in grease 27 800 grade do washed 27 Doold llul 27 100 do do " high grade do 3800 47 bales Danish lambs' wool 30 8 19 German do Saxony do extra fine Spanish do 71 Portuguese 37 6 Spanish Legoviane do 87 15 do 4 t 3 do do fine grade wool, well washed 74 46 5 bales sold choice wool

	The state of the s	
5 lb:	s. Portuguese wool	40 cts.
2	Saxony, No. 2	40
2	do 1	40
3	do	64
10	Imperial Sax'y wool, 2 sold i	51
10	Electoral do do 1	72
8	superfine lambs' wool	46
5	Saxony do	46
6	do do	46
7	super clean Spanish	62 .
10	EMR. do	93
20	1st sort lambs' wool, very clear	48
20	same wool	48
1	No. 19 common Saxony wool	33
i	20 Saxony lambs' do	51
1	41 do do	44
1	162 fair quality Saxony	51
3	163, 169, 170 com. do	29
1	166, 1st quality Saxony	
-	sorted pieces	64
1	162, 2d do do	51
ī	168, 3d do do	26
2	9, 10, B. Ayres wool, M	4
14	South American	9
3	2d qual. lambs' wool, washed	331
1	lambs' wool, black,	27
	,,	1

AGRICULTURAL AXIOMS.

In no department is Bacon's celebrated maxim agriculture: hence no farmer can be accounted skilful in his profession who does not avail himself of the information to be derived from the experience of others, and who does not improve his knowledge of husbandry by the perusal of the ablest works that imagine, that the communication of knowledge by years, viz. printing, which has promoted the advancement of every other art, should be of no use in agriculture.

Endeavour to raise good grain, for it will always sell, even in years of plenty; whereas it is only in dear and scaree seasons that there is a demand for

grain of an inferior quality.

Let your stock of cattle, horses, &c. be of the best sorts, and more remarkable tor real utility than for beauty or fashion.

Be not above your profession, and always consi-

der it as the first that any man can follow. Admit no guest into your house, who cannot live

upon the productions of his own country.

No farmer uught to undertake to cultivate any more land than he can stock and manage to advantage. It is better to till 20 acres well, than 100 in a slovenly manner.

not undertake to cultivate. Most of our lands in last paragraph of what was the the vicinity of villages, if left to the operation of office and duties of the Mother.] nature, will soon be profitable for fuel and timber. of bad husbandry.

said of self-rightcousness, the more you have of it

the wurse you are off.

Be not afraid of trying experiments; but let them be on a small scale at first, and few at a time.

BARLEY.

We last year took oceasion to recommend to our of Barley. We were induced to do this by the high were so shy and reserved for some days, that I and then some of Juvenal's in the original. He price of the article at the time, and the prospect of thought him dull and stupid, and was induced to stopped me, telling me he did not understand Latin. a continued demand, afforded by the increased con-think he did not converse because he had nothing I was astonished, and could scarcely believe him,

sumption of malt liquors in our country. The price to say; but the eager and intelligent countenance which it brings the present season, confirms the correctness of the remarks we then made, and furnishes the best encouragement to our farmers to appropriate more of their land to this species of grain-By an advertisement in our paper this week it will gain his confidence and conquer his reserve. In be seen that one dollar and ten cents a bushel are this I soon succeeded, for beneath a cold exterior. now paid for Barley at the Brewery in this place, and bashful and reserved manners, he had a warm and at half this price, if we are correctly informed, heart and ingenuous disposition. it would not be an unprofitable erop. The quantity We are all physiognomists by raised in this State is so small, that the brewers are the principles of this science may not be underobliged to procure most of their supplies from stood, its sensations will always enable us to read in abroad. It is certainly desirable that our own farmers should avail themselves of the demand for this mind, and where kindness and sympathy are disco-[Con. paper. article.

[We have always been of opinion that Barley might be cultivated much more extensively, with comparative advantage in Maryland. 'The present price is from 90 cents to \$1.25 per bushel.]

LARGE POTATO.

A FRIEND TO ACRICULTURE.

The weight of the potato was eleven and a quarter pounds, the length two feet, and the circumference "knowledge is power" more true than in regard to nineteen inches. Mr. P. had several others of near-tree, not a plant, not a bird or insect that we met ly the same size.

EXPORTS FROM NEW ORLEANS.

The following is the amount of cotton and tobachave been written on that subject. It is absurd to co exported from New Orleans during the last five

-	,		Bales of Cotton	Hhds. of Tobacco.
	In	1822	156,030	21,995
		1823	171,431	19,371
		1824	143,943	5,910
		1825	204,557	16,849
		1826	251,924	18.180

amount of t00,000 bales in four years; but the average of Tobacco exported is less than it was.

LADIES' DEPARTMENT.

THE MOTHER.

(Continued from page 286.)

To render the sense of the subject more com-A man's owning a large farm is no excuse for impered to the first part of this article, we here repeat the observation, and this with such perfect simplicity plete, should the reader not recur to the last number last paragraph of what was there inserted, on the

Although to make a good instructress, the mother and not his own learning. Large pastures may be profitable with no other la-should be herself well instructed, is correct, as a bour than what is necessary to keep them clear of general rule; yet there are exceptions to this as well bushes. But to run over 20 acres of ploughed land as every other rule, and an instance I have lately or mowing land, for what, with good cultivation, met with, has convinced me that attention and from books, and was astonished at his accurate and may be obtained from five acres, is the quintessence affection, with a good natural understanding, is sufficient for the performance of this important task. A large farm without skill, capital, or industry, As many a fond mother may be deterred from unis a plague to its owner. It is like what somebody dertaking this sacred and endearing duty by a diffidence of her qualifications, I will relate the instance to which I have alluded.

mine, who lives on an estate remote from any city amusements. No wonder then that his mind was or large town. He had an only son, to me one of so richly stored. the most interesting youths I have ever met with, though probably he would not be so to most persons.

agricultural friends more attention to the cultivation his age; very slender and very pale. His manners other, I repeated some lines from an English poet,

with which he listened to the conversation of others soon changed this supposition, and made me believe his silence proceeded from timidity. I therefore by

We are all physiognomists by nature, and though vered, kindness and sympathy will be excited. Thus at least it was, with my young friend and myself, and without the aid of many words we formed an aequaintance with each other, which soon ripened

into confidence and intimacy.

He undertook to be the guide and companion of my rambles, and while he led me into the deepest recesses of the forest, explored the caverns, or MR. SKINNER,

Chimbed the sides of the industrial, in some through natural productions—or walked with me through the same over the grain fields, or by the banks of Sweet Potato, raised by E. Pettigrew, Esq. at Lake the garden, over the grain fields, or by the banks of Phelps, Tyrrel county, N. Carolina. By inserting the river, he displayed an extent and variety of knowledge which I have seldom met with in any, and never before, in so young a man.

He had the most minute, as well as extensive information, on subjects of natural history. Nut a with, but he could give me a history of. With the mineral, he seemed as well acquainted as with the vegetable and animal kingdoms, and to this practical and useful knowledge, he added not only an acquaintance with, but an enthusiastic love for, the poets, both ancient and modern. The apt and frequent quotations which burst from him, were oceasioned by some analogy between the verse and the objects and the seenes around; they had no tineture of pedantry, but seemed the overflowings of an

abundantly stored mind.
Homer, Euripides, Sophocles, Virgil, Horace, Lucian, with all the other Greek and Latin poets, So we see that Cotton has increased in the great seemed even more familiar to him than any of the modern, except the English. With Hurace in particular he seemed so familiar, that one would have supposed that instead of an ancient author, he had been his every day companion and friend; and whether we eat or drank-walked abroad or staid at home—expatiated on the charms of the country and solitude, or the pleasures of the city, and society-on the virtues of poverty, or the vices of the rich-of poets and of statesmen-fur every scene and every subject he had some apposite verse from his favourite Horace, to illustrate and enforce his and such an ardent enthusiasm, that it was evident that he did so to display the beauties of the poet

I used to love to draw him out, and though [thought myself a pretty good scholar, I often learned information from him, which I had not derived correct knowledge of the history, customs and man-

ners of the ancients.

As he was an only son, and of course would inherit the large and valuable plantation of his father, he was not destined for any profession; having much leisure, without any inclination for society, his whole I lately paid a visit of some weeks, to a friend of time was devoted to books, rural occupations and

One day we were comparing our own times with their manners and vices, with those of former ages, He was tall beyond what is usually called tall at and to prove one was as obnoxious to satire as the and inquired how then it was possible for him to be so well acquainted with the Latin authors.

"Yet," continued 1. "it seems strange that you

"Simply," he answered, "because my mother all, and every thing to me. was unacquainted with those languages, and I have never had any other instructor than my mother"

our colleges are as well versed in classic literature."

ciency from which I suffered, viz. the want of a rant nor vicious, and that she would educate me instrument. Its simplicity, however, will be appamore learned preceptor, made me a more diligent herself. Her friends smiled, and seemed to think rent to any of your musical readers, from the foland laborious student. In order to supply this de ficiency, I applied myself with indefatigable perse-little better than none at all. verance to a study of critics and commentators, degree of curiosity, and excited a closeness of attention I should not otherwise have felt, and induction. As I have said, she has been my sole notes, with all the relative semitones. The lowest tention I should not otherwise have felt, and induced me to study the natural and civil history of the medium of conversation that she conveyed her incountry in which these poets lived, and of the struction.

people whose manners they described.

are there bestowed on the acquisition of the lan- and utility. guages, I have most delightfully employed in acquiring the knowledge of what these languages every thing for the purpose for which it was designcontain."

sometimes indulged," answered I, "that the years or smallest flower. employed by boys in the study of Greek and Latin is so much time thrown away, which, while it loads the memory with words, leaves the mind destitute of ideas; such at least is too often the case."

"Not exactly so," answered my young friend, DEAR SIR, "words must convey ideas; but one effect I have If you consider a description of the musical intoo often gives the young students a disgust to the cheerfully give it; while, at the same time, it will tones. In this it possesses an advantage over all works which they are obliged to study, in order to gratify me to see it inserted. acquire the language, a disgust, which prevents them afterwards reading them; and this I believe is it has been patented, although not new in its princhange places with F, G and C sharp, and in I ke the true reason why so many young men, after leav- ciples, is yet different in its construction from all manner with any other key. Having set the instruing college, never look into a classic author."

knowledge, I perceive you have likewise made a it decidedly superior. It combines great power "Solely through the medium of translation," he greater proficiency than most young men of your with extraordinary sweetness and richness of tone.

with, how comes it then you have not made yourself She was the play-fellow of my childhood, the friend and companion of my youth. In fact she has been The science of music is, by means of this instru-

"Is this possible?" I exclaimed; "why few, very Often was she urged to send me to school, and ask music, a full conception of it, and a few weeks' such education as a woman could give, would be lowing description.

The Harmonicon consists of twenty-five glass

"I learned reading, writing, and arithmetic, by way "Had I read these authors in the original, and of amusement and occupation. Above all, she culunder the direction of a learned professor, I should tivated my faculties as they successively developed have rested satisfied with the usual routine of in-themselves. First, perception. By her undivided struction and a progress equal to that of my fellow and sedulous attention, she gave an accuracy to my The annexed scale, representing the instrument arstudents. But having no teacher on whose judg- faculty of perception, which proved one of the best ranged in the key of C, displays the whole at a sinment I could rely, and being unacquainted with the foundations of future knowledge. For instance, as gle glance. originals, the only way in which I could judge of soon as I could speak, if I were playing with a flowthe translations I read, was by comparing one trans-lation with another, analyzing their different beau-ties; referring to commentators, and again testing those by the historians and prose writers of the it accurately with others. It was thus with every age or country in which they wrote. Such a course object I touched, every thing which engaged my atof study naturally filled my mind with more ideas, tention, all of which she subjected to the same than a study of the languages could have done; but minute and scrupulous examination. This hab't though it may have enlarged, I will not pretend to gave a truth and distinctness to my perceptions, that say it strengthened my intellectual faculties more I have found of the greatest use when applied to than the acquisition of these dead languages would scientific pursuits. My judgment, my memory, have done This is a disputed point, and many even my imagination were improved and exercised learned men maintain that no other kind of know ledge is so useful in strengthening and disciplining the mind. Be this as it may, one result has been, strengthen, to enlarge, and ornament my mind, the maturals and their corresponding semitones in to make me more intimately acquainted with these Such as it is, it is all her work—a work to which she the right hand and upper front rows. illustrious authors, and to have fixed not only their has devoted her whole time and attention. Every sentiments, but the figures and descriptions by walk, was for me, not only a lesson in natural his which those sentiments were illustrated indelibly in tory, but one in morals, religion and taste. It was my memory, and initiated me more perfectly into from the works of God, oftener than from the works their beauties than could probably have been done of man, that she drew her instructions;—Nature, ball of the middle finger, when wet, gently along by the common course of collegiate studies. Since the ever open volume in which we studied, where the periphery of the glass. The touch is acquired all those wearisome days, months, and years which we find the finest examples of sublimity, beauty,

ed, equally displayed in the revolutions of the "You almost confirm me in an opinion I have planets and the organization of the meanest insect, through the label.

(To be continued.)

GRAND HARMONICON.

myself often witnessed, which is, that the study of strument I have lately invented, a suitable piece for these languages is so laborious and inksome, that it the "Ladies' Department" of your paper, I will to be made flat or sharp, for their respective somi-

those musical glasses which have heretolore been ment to the music, every key is played alike. The

"But," continued I, "in all the other branches of exhibited, and competent judges have pronounced and it is susceptible at the same time of the utmost "If this is the case," said he modestly, "it must variety in its combinations. So soft are its tones, should not have acquired the language, when you arise from the same causes; first, that the years de-that sume have called it the "Eolian Harp harmonare so completely imbued with the spirit of these voted to learning the languages, I devoted to other ized," while others, on hearing its rich and powerauthors, and have so accurate and extensive a studies; but still more to my mother's care and in ful chords, have been deceived by supposing it a knowledge of the history, manners and writings of fluence over my mind. My constitution, even from well toned organ. Though capable of executing the Greeks and Romans, all of which indicate a my infancy, has been so frail and so liable to disease, the most rapid passages, it is to soft and plaintive degree of study and research which is seldom met that she would never suffer me to be sent from home, music that it is best adapted, affording a rich treat

ment, brought within the compass of the meanest "Every one prognosticated that I should be a capacity; half an hour's instruction will give any spoiled child, meaning an ignorant and vicious one, one, who is at all acquainted with the rudiments of few of our young men who have been educated in ed of what value life and health would be, if she practice will make a pleasing performer. I have our colleges are as well versed in classic literature." left me destitute of education. It was in vain she known several ladies to play any simple melody, at "The reason is obvious," said he, "the very defi- assured her friends that I should be neither igno- sight, very sweetly, within an hour after seeing the

"Such opinion rather piqued my mother, and sti-goblets, arranged in a square of five rows in front whose copious notes and illustrations awakened a mulated her to persevere in a scheme suggested by and as many deep, and comprises sixteen natural



\mathbb{C}^{\sharp^8}	C# ¹⁵	$ m B t 5^{14}$	$G^{\#}$	$\mathbf{B}^{\mathbf{z}_{7}}$
D'	$\mathbb{C}^{_{15}}$	\mathbf{B}^{14}	A 13	1329
\mathbf{D}_{a}	E 10	F",	G	F#"
\mathbf{C}^{s}	\mathbf{B}^{r}	A^6	G	G^{\sharp}
C'	\mathbf{D}_{s}	E,	F	F#4

Each glass has a label pasted on it, giving the name of the note, which saves the trouble of study; ing the gamut; for this is constantly in view while performing. The sound is elicited by passing the in a very few minutes. In fart almost any one can do it on the first trial. Some of the glasses are made to require water to bring them to proper tune, to afford a facility in wetting the fingers. The quantity necessary, is shewn by a mark drawn

In performing, only those sixteen glasses, comprised within the double lines, are to be used, dispensing with the right hand and back rows,-unless an accidental flat or sharp should intervene, when it will be found in the proper place. The above scale, as before remarked shews the instrument arranged in the key of C; but it is easily adapted to any other, by changing those notes which req ire The "Grand Harmonicon," the name under which three sharps in the cliff, then let F, G and C natural

following scale shews the instrument in the key amusement, and is the fruit of my leisure hours mour, the most reputed horse painter of his time.



As soon as the learner can play a dozen simple airs, he should begin to throw in the accompaniment, which, to an amateur, will afford the highest pleasure, and give a fine opportunity of displaying his taste. A second is composed chiefly of thirds, fifths, sixths and octaves. The instrument being arranged to the key, it follows that every third glass are thirds to each other; every fifth, fifths; every vicinity, may obtain further information on applicasixth, sixths; and every eighth, octaves. Nothing tion to Edward J. Coale, where orders will be recan be easier than to throw in these chords, accordevived—or address a line to me at Eastville, Northern Coales, accorded—or address a line to me at Eastville, Northern Coales, accorded—or address a line to me at Eastville, Northern Coales, accorded—or address a line to me at Eastville, Northern Coales, accorded—or address a line to me at Eastville, Northern Coales, accorded—or address a line to me at Eastville, Northern Coales, accorded—or address a line to me at Eastville, Northern Coales, accorded to the coales, acc ing to the taste of the performer; and the various thampton, Virginia. combinations which may be thus introduced are endless. A very little practice will render this so perfectly familiar, that it will no longer be necessary to have the second written.

The Harmonicon was invented solely for my own holes to receive them.

instrument, I have made arrangements for furnishing as many as may be required. The price of the elevation of the horse's crest was excessive, indeed, glasses, exclusive of the frame, is thirty five dollars. totally out of nature; and it was boldly asserted at The frame, according to the pleasure of the purchaser, will cost from five to thirty dollars. To have an idea of it, you have only to imagine a massuch a lofty and swelling forehand. A well known hogany table about two feet square, which may be writer on these subjects, however, has since made

of keeping it in repair, for otherwise it is never out ness of Stubbs' picture. of order, but always in tune. A Book of Instructions, with some favourite music, accompanies each instrument. Persons residing in Baltimore, or its and action, bearing every indication of a real cours-

FRANCIS H. SMITH.

P. S. I should have observed, that the goblets are made with a stem an inch or two long, by which they are fixed into the sounding board, wherein are

But having received frequent applications for the Stubbs' picture gave rise to some unfavourable crimade a very handsome piece of furniture. A neat an effectual, because practical defence for Stubbs maliogany case, with a top shutting down to protect the glasses, would cost about ten dollars.

A neat an effectual, because practical defence for Stubbs and the original draughtsman. This writer states, that he pointed out to the late Mr. Tattersall and Every instrument is tuned according to a scale I several other gentlemen, a horse, the property of keep with me, and numbered accordingly. Should the Duke of Portland, with a crest acknowledged a glass be lost, it is only necessary to acquaint me by them, to be full as lofty and extensive as that with the number of the instrument and name of the appears in the portrait of the Godolphin Arabian, note, and it will be replaced immediately, for which The late Rev. Mr. Chafin also, who saw the Aratwo dollars is charged. This is the whole expense bian frequently in 1751-2, vouches for the correct-

This Arabian was fifteen hands in height, of great substance, of the truest conformation for strength er-a horse of the desart. His colour was entire brown bay, with mottles on the buttocks and crest, excepting a small streak of white upon the hinder heels. He was imported into France from some capital or royal stud in Barbary, whence it was suspected he was stolen, and said to have been foaled in 1724. So little was he valued in France, that he was actually employed in the drudgery of drawing a cart in the streets of Paris. Mr. Coke brought him over from France, and gave him to Williams, master of the St. James' Coffee House, who presented him to the Earl Godolphio. During the years 1730 and 1731, the Arabian served in that noble sportsman's stud as teaser to his stallion Hobgoblin, which horse refusing to cover Roxana, she was in consequence put to the Arabian, and produced a colt foal, the famous LATH, the most elegant and beautiful, as well as the best racer of his time. The mutual attachment between the Godolphin Arabian and a stable cat, is well known. He died in 1753, the most successful as a stallion of any foreign horse, before or since imported.

CURE FOR THE SORE TONGUE IN HORSES.

J. S. SKINNER, Esq. Philadelphia, Nov. 25, 1826.

Sir,-Having observed by one of the Philadelphia papers, that Dr. Spence had addressed to you a letter on the subject of a destructive disease that prevails at present among the horses in Maryland,

viz: ulcerated tongue.

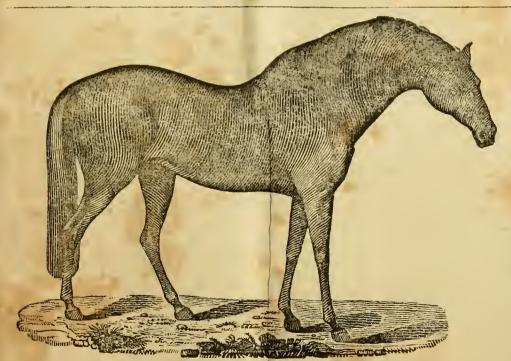
This is to inform you that some years back, when I resided in the State of Mississippi, the same disease attacked and carried off many fine horses; it was there called the sore tongue. A remedy was found, by taking one quarter of an ounce of the sulphate of zinc, or white vitriol, and dissolving it in one porter bottle of water, and washing the tongue three, four, or five times in the course of two days. Indeed it seldom failed, particularly if used early; it seemed to check the disease immediately; the horse would at first nibble delicately, and shortly after, eat as usual. A drench of one pound of salts, given quickly, aids the cure. Respectfully yours, &c.

WILLIAM E. LEHMAN. N. B .- My impression is, that alum water was by taking a rag wet with the solution, introducing it into the mouth and rubbing well over and about the tongue.

> CURE FOR THE SORE MOUTH IN HORSES. Lancaster, Penn. November 23, 1826.

The following method of practice, and recipe for regret of all true sportsmen, with respect to the earlier drawing, was made from the life, by Sey-the cure of the prevailing disease among horses,

SPORTING OLIO.



CORRECT PORTRAIL AND MEMOIR OF THE CELEBRATED GODOLPHIN ARABIAN

source of our present best racing blood. There are graving of it for the public satisfaction. sufficient reasons, however, for the supposition, that portraiture of this famous horse, so remarkable and session of Lord Francis Godolphin Osborne, at his striking in his form; which is not the case, to the seat at Gogniagog Hills. Another, and probably an

The GODOLPHIN ARABIAN was imported into this Darley Arabian, of which there now exists, if it country [England,] about five-and twenty years after the Darley Arabian. They were the most celebrated and valuable for their blood and high form, having, it is reported, returned no answer to an apply taking a rag wet with the solution, introducing old mansion of Mr. Darley; the present possessor ed in a bottle of water, and the tongue washed well, as stallions, which have yet appeared, and are the plication some years since, for leave to take an en-

The portrait which accompanies the present de-Lord Godolphin's horse was in reality a Barb. The scription, was taken by the late celebrated Stubbs, public has been in constant possession of the true from an original by a French artist, now in the pos(one of the proprietors of the Western Mail Stages) on his return from visiting the sick horses in the line, and I am authorised to say, will, if strictly attended to, succeed in curing 99 cases in 100; by in-temperature. serting it you will oblige

RECIPE.

On the commencement of the disease, bleed mogive two thirds of a pint. Nitre may be given at for his bed; he eats considerable quantities of fresh the rate of 2 oz. a day, or salts two or three times a week, 4 lb. at a time; these may be given in a thin markably lively and playful, following the hand of mush, or rather slop of bran, it being the best food the feeder by the scent-burrowing for a short dis for the animal while diseased.

of borax, and one quart of strong sage tea, mix them well together, then take a stick and tie a soft manner to thrust the food in his mouth, doubling i rag to the end of it; dip it in the mixture and wash the tongue, gunis and mouth well; the more frequent the better, at least every two hours-sweet milk in the tea will do no harm, or a little nitre may occa- favourite food; he is also fond of burying himsel sionally be put in with good effect-be particular in keeping the mouth clean, and nursing the horse

with care.

The pulse, and appearance of the blood, must govern as to the necessity of bleeding more than once.

MISCELLANEOUS.

NATURAL HISTORY.

In reading the first volume of Dr. Godman's American Natural History, we were struck with the Thursday, the 7th of December. A full and earl following among other curious passages.

Nat. Gaz.

"We have alluded to the sporting of the Otter, and may now remark that its disposition in this respect is singular and interesting. Their favourite sport is sliding, and for this purpose in winter the highest ridge of snow is selected, to the top of which the otters scramble, where, lying on the belly, with the fore feet bent backwards, they give themselves an impulse with the hind legs, and swiftly glide head foremost down the declivity, sometimes for the distance of twenty yards. This sport they continue apparently with the keenest enjoyment, until latigue or hunger induces them to desist. In the summer this amusement is obtained by selecting a spot where the river bank is sloping, has a clayey soil, and the water at its base is of a considerable depth. The Otters then remove from the surface, for the The Otters then remove from the surface, for the at 12 o'clock, at the Rising Sun Tavern, on the Gebreadth of several feet, the sticks, roots, stones, and mantown road, in the county of Philadelphia, kept other obstructions, and render the surface as level as possible. They climb up the bank at a less precipitous spot, and starting from the top slip with velocity over the inclining ground, and plump into the water to a depth proportioned to their weight and rapidity of motion. After a few slides and plunges, the surface of the clay becomes very smooth and slip-pery, and the rapid succession of the sliders show how much these animals are delighted by the game, as well as how capable they are of performing actions, which have no other object than that of pleasure or diversion."

"Shrew moles are most active in the morning, at mid-day, and in the evening; after rains they are particularly busy in repairing their damaged galleries; and in lung continued wet weather, we find that they seek the high grounds for security. The precision with which they daily come to the surface at twelve o'clock, is very remarkable, and is well at twelve o'clock, is very remarkable, and is well known in the country. In many instances, when we have watched them, they have appeared exactly at have watched them, they have appeared exactly at

called sore mouth, was obtained from Mr. Tomlinson, mals do not appear to be well suited for living in the open air, especially if it be somewhat cool; for, after being a few minutes exposed, we have always observed them to shiver, as if from the change of

"That an animal of this kind should be domestieated with facility, would seem hardly possible, ye our friend, Titian Peale, tamed a very fine one derately. If the blood, after cooling, appears to have much buff on it, repeat the bleeding; give a pint of castor oil; if it does not operate in 16 hours, in a box containing some loose earth and dried grass tance in the loose earth, and, after making a small Take half a pint of honey, one table spoon full circle, returning for more food. When engaged in borax, and one quart of strong sage tea, mix under so as to force it directly backwards. When he has obtained one piece of meat, he will not re linguish it even for the sake of earth worms or other when he has received any thing, in order to eat i undisturbed."

if A k Mible.

BALTIMORE, FRIDAY, DECEMBER 1, 1826.

FThe next meeting of the Board of Trustee of the Maryland Agricultural Suciety will b held at the town residence of Mr. James Swan, v meeting is desirable, that the scheme of premium may be finally decided upon.

\$3-ALDERNEY CATTLE - It will be seen by th advertisement of Messrs. Jennings & Thomas, the an opportunity will occur on the 9th inst., for thos who may desire it, to supply themselves with indi viduals of the Alderney breed of cattle-so remark able for the rich colour and quality of its milk.

WANTED, for distribution-some seed of the early black seed cotton, which has been raised Maryland.

SUPERIOR ALDERNEY CATTLE,

FOR SALE AT PUBLICK AUCTION.

Will be sold on Saturday, the 9th of December, (ins Jacob Billger, a stock of 15 head of ALDERNEY CATTL consisting of Cows, Bulls and Calves, of different age they are of the original stock imported in the yes 1816, by M. Wurts, and the utmost care has been o served to preserve the blood pure and free from mi ture. The beauty and superior excellence of the A derney cow for the dairy, is so well established, that remark on that head is deemed necessary. This stowill be found well worth the attention of those whare desirous of improving their breed of cattle, at they will be sold without reserve, to the highest bidde Catalogues may be had at the Auction Store, No.

North Front street, or at the Rising Sun Tavern, whe the cattle may be seen two days previous to the sale.

JENNINGS & THOMAS,

Dec. 1, 1826.

CONTENTS OF THIS NUMBER.

Auctioneer:

Observations on the Culture of the Mulberry and Si have watched them, they have appeared exactly at twelve, and at this time only have we succeeded in taking them alive, which is easily done by intercept-correct Portrait and Memoir of the celebrated Godoling here progress with a spade, broad knife blade, phin Arabian—Cure for the Sore Tongue and Mouth in &c. and throwing them on the surface. These ani- Horses—Natural history of the Otter and Shrew Worm.

PRICES CURRENT.

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Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

CURWEN IN REPLY TO COLUMELLA

ON "THE MODUS OPERANDI."

"As the MODUS OPERANDI OF NATURE IN PRODU-CING AND DISPOSING OF THIS SECRETION HAS NOT BEEN EXPLAINED, it is not known," says Columella, "what EFFECT it has upon the quality of the wool."
Will any man contend, that because "the modus

operandi of nature in producing cannot be explained," that therefore the EFFECTS cannot be known? Can Columella explain the modus operandi of nature in When he eats, drinks, and prepares to sleep, does Ryeland race, were the sheep which he had not seen? he wait for the exposition of "the modus operandi of nature?" Would be have us cease to sow our cause the modus operandi of pature cannot be explained? Will any "chemico physiologist" venture no sheep? to deny that which his senses can perfectly compre-"economy" to expound?

When an "auonymous" writer commences an attack upon the opinions of a man, whom he denounces in proper person, as "speculative," and whom he cipal flock. If this were not the reverse of the fact, a difficult and tedious process? He must prove that would endeavour to make appear absurd—when he would it follow, that because Luccock had not seen Luccock had never seen unwashed Merino wool, to makes round assertions without facts, and founds arguments upon assumptions in direct opposition to that which has been said, it is vain that he should expect his questions to be answered—his positions to be met by "explanation of difficulties" entrely his own-or that his facetious and quaint mode of

illustration should be regarded throughout.
We had no hope that Colucoella would be corrected-no desire to "controvert" his positions except as they may bear publickly upon our wn. And in order to shew how far "every thing has been given up"-how entirely we have supported alt which we had said-and how much he has assumed -we refer, although most reluctantly, to the annexed quotations to prove.

But lest the friendly Editor should think tlat "ex- been established. ception might be taken" at seeming neglet of a sustained.

He continues-"let Mr. L. speak or me." It no flock in England. would have been well, had Columella allowed Mr.

We had given Luccock among sixteen authori-* by John Luccock, Wool- the truth. stapler, Leeds, 1809." We have always called him a woolstapler, and we are not aware that his having been "unacquainted with the rudiments of farm. Tollet, Gen. Robertson, Sir James Montgomery, lng." can militate against his facts—his knowledge that held according to the rudiments of farm. Tollet, Gen. Robertson, Sir James Montgomery, lng." can militate against his facts—his knowledge that held according to the rudiment of the rudiments of farm. Tollet, Gen. Robertson, Sir James Montgomery, lng." Therefore, when Parry selected the finest in his dealings to his business alone.

"This point being settled, the next inquiry is, had with sheep of hase blood. Mr. Luccock ever seen a Merino sheep?

Merinoes, as having this quality." This we deed, know that this somebody is not unacquainted with

[Columella, Amer. Far., Nov. 1., 1826.

Let Columella speak, not for us, nor for Luccock, the rudiments of farming or breeding? He may be
but for himself, in drawing this "inference." He a woolstapler for aught that appears.

Let Columella prove that Sir George McKenzie is not right.

quotes Luccock, page 108-"There are fleeces, we Dr. Parry gives us of his NEW breed of sheep, obthat of the RYELAND race."

pal Merino flock in England, and the inference is consequently will be a degenerate race." fair, that he had not seen the pure Merinoes." * * *

acorns produce oaks, or that children are born? COMBINING the blood of the Spanish with that of the

Is it possible he does not know, that a "new breed" cannot be the old breed, and that animals page 267, he denies him experience, and would, it seed-to engraft our trees-to cross our flocks-be-obtained by combining the blood of the Spanish, with that of the "Ryeland race," could not be Meri-

But if Luccock had not seen the Merino sheep who "raised a man of straw." hend, but which nature has not chosen, in her possessed by Dr. Parry, the one living in the north, Luccock "HAD NOT SEEN A MERINO SHEEP?"

seph Banks' Reports of the King's flock, which the King of Spain presented bad sheep as a namight have informed him, that it was established in tional gitt, we will then state how many Merinoes the year 1788-that in 1792 it was enlarged by im- we saw in England, at the time Luccock's book apportations—that in the year 1808, seventeen hun-dred and eighty-seven Merinoes of the famed Pau-lar flock were received, as a national gift from the But if Luccock had never seen Merino wool, it Spaniards and their King, to the British Monarch could not avalidate his testimony in regard to the and his Ministers—that "more than 100 rams and effects of olk upon wool generally. We are aware some ewes" had been gratuitously distributed in that Columella would confine us to the propagation England-that in 1804, public sales were held, and of Meriness alone; but that stupid fellow for whom annually continued. Luccock's book appeared to Luccock wrote—John Bull—likes good mutton as 1809, twenty-one years after the Royal Flock had well as fine clothes. He is not satisfied merely with

ception might be taken" at seeming neglect of a September last he asserted Dr. Parry "had procured and flesh to supply the cravings of nature, and to to shew, that Columella's argument open is favor- a FEW full blood Merinoes from the King's flock"- keep himself warm. ite theme, the unhappy woolstapler, ha not been forty-nine days afterwards he as positively asserts that Dr. Parry's slicep were "the PRINCIPAL Meri papers, that he had never selected a breeding rain

ties. His work is entitled—"An assay on Wool, 1787, so does the relation of Columella's first assert together, of the same age, and at the same season, containing a particular account of the English fleece, tion bear to his last, or that which he now gives as form a tolerably accorate conclusion as to the FINE-

of wood, which it is his bisiness to handle, and them held annual sales. Is it not to be presumed presented the first bisiness to handle, and them held annual sales. Is it not to be presumed presented the first bisiness to handle, and them held annual sales. Is it not to be presumed presented the first bisiness to handle, and them held annual sales. Is it not to be presumed presented the first bisiness to handle, and them held annual sales. Is it not to be presumed presented the first bisiness to handle, and them held annual sales. Is it not to be presumed presented the first bisiness to handle, and them held annual sales. Is it not to be presumed presented the first bisiness to handle, and them held annual sales. Is it not to be presumed presented the first bisiness to handle, and them held annual sales. It is not to be presumed presented the first bisiness to handle, and them held annual sales. It is not to be presumed presented the first bisiness to handle, and the first bis would ask, if Luccock were a manufacturer, or even a farmer, and had a flock of sheep, deficient in yolk, would there not be more probability of his deciding, best judges of wool) and Spaniards, and the King as an adroit politician, in layour of sheep which had of Spain, were as fikely to obtain pure Merinoes as desired nor expected to draw forth his name. We not yolk, than if, as a woolstapler, he were confined commercial speculators or manufacturers, who have but objected to anonymous productions, being stocked our country, in nine instances out of ten, brought to establish "speculative facts," by a gen-

And is it not probable, that a woolstapler, in We are conscious that this theme has lost its Yorkshire, would have as large means of informa-We are conscious that this theme has lost its Yorkshire, would have as large means of information of Columella, we will folton upon wool, as somebody withholding his name has compiled some useful hints on sheep; but when he low the argument. He proceeds—"Luccock does —despising authority—displaying the result of his not speak of any other race of sheep, possessing the "own observation," and the notions which he had above temarkable properties, but he does speak of gathered at a vendue in New York. How can we properties of the undertook to write shout?"

We set out with the determination to defend Mr. are told, so uniformly alike through the whole ex- Powel's opinions which Columcila had condemned tent, that persons accustomed to observe wool, and -to establish the positions at which he had sneered even manufacturers, have not been able to distin as absurd. Mr. Powel, (American Farmer, Dec. guish any difference in the fineness of the pile" * * 23, 1825,) in a notice on the characteristic marks "such is the description," says Luccock, "which and properties of various families of sheep, said-"The sheep which produce the finest fleeces, are tained by combining the blood of the Spanish, with not necessarily the best to form a breeding flock. If their constitutions be not good-if their forms be Upon this Columella rejoins, "it is obvious Mr. bad, the secretion of yolk which is assential for the L. had not seen Dr. Parry's sheep, then the princi-support of the fleece, must be small; the offspring

One sentence, incidentally mentioning yolk, has producing the oak from the acorn—the smallest Has not Columella just proved that Luccock had given Columella occasion to keep up, during ten atom—or even himself? Or will he deny that said, Dr. Parry's New breed of sheep, obtained by our sixteen authorities, and quarrelling sometimes with his own.*

Page 210, he quoted Sir George McKenzie; but he could, make him appear absurd.

"Neither woolly heads, nor dewlaps" had been mentioned by Mr. Powel. The reader will decide,

But if Columella had proved, that Luccock had the other in the west of England, would it follow that never seen a Merino sheep, how would this bear Luccock "HAD NOT SEEN A MERINO SHEEP?" upon the question of yolk? Does not the fleece But Columella says that Dr. Parry had the prin- carry the yolk with it, until it has been subjected to "the principal flack," that therefore he had not seen make out his case upon yolk in Merino wool. If he small flocks, or many large flocks of Merino sheep? should attempt to prove, that the Merinoes, which Columella has given an extract from Sir Ju- John Bull had selected, produced no wool, or that

supplying "the luxuries of the rich;" and however Will Columella allow us to remind him that in ignorant of the "modus operandi," requires blankets

Columella says-"Dr. Parry asserts in one of his o flock in England.'

As we are "taught" by him, that "truth is not fineness of the fleece." If he had read Parry, he L. and even his own authorities to speak for themwe must have recourse to argument upon his facts. that the fixed said—"As it happens selves. Thus as the relation of a "few sheep" hears to quantity of yolk, we may in unwashed sheep, living NESS OF THE WOOL, from the degree of DARKNESS

tleman, who condemns "reliance upon authority."

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yet gives opinions HE has gathered from UNKNOWN

persons at a vendue.

He contends (American Farmer, Dec. 30, 1825,) that Southdown "wool is not very visibly finer than that of the better kind of common sheep"-yet he that of the better kind of common sheep—yet at the growth of Doctor Woolford; Johns Henry, Esq. compost I now asks—"if yolk is necessary to the growth of Doctor Woolford; Johns Henry, Esq. compost I fine wool and the finest fleeces have usually the For Somerset County.—Littleton Dennis, Esq.; be taken. fine wool, and the finest fleeces have usually the greatest quantity of it, how does it happen that Southdowns, and several other breeds, have as fine, or finer wool than half blood Merinocs, while the John U. Dennis, Esq.; Doctor Spence. latter secrete a much greater quantity of yolk?"

This happens to be a mistake. Protesting that we have no intention to be "dis-

his style.

to water in a vase, the weight of the whole was not augmented, called upon the Royal Society to ex- of Maryland. pound the "modus operandi." After mature advisement, and the most profound and elaborate research, to give "explanation of the difficulty," which this odd fish had suggested, an old fashioned fellow, more wily than the rest, exclaimed, stop-bring me the weights; when behold! it appeared the wrong vase had been weighed. Thus they voted their CURWEN. night.

Powelton, Nov. 5, 1826.

The quotations alluded to in the above are deferred until our next number.]

PREMIUMS WORTH CONTENDING FOR. MR. SKINNER,

Will you have the goodness to publish the follow

Society for the Eastern Shore

stimulus. Therefore, as one of the best means of and counted as manure. promoting the interest of this valuable class of our ral Society for the Eastern Shore, offer the following premiums to the whole body of land renters.

of any rented land or farm on the Eastern Shore of ble into fertilizing manures. Maryland, who, according to his means and resources, shall put out thereon the greatest quantity ing brief directions. of manure, between the 15th day of January, 1827, and the last day of September, following.

A premium of \$30 to the tenant who shall put out the next, or second greatest quantity, and

A premium of \$20 to the tenant who shall put out the third greatest quantity of manure, within the of ground, or the number of corn-hills, with the dis-

periods above mentioned.

delivered to the successful competitors, on the last tivate in 1827. Also his force of hands, horses, day of the next cattle show, to be held at Easton, mules, or oxen, and the number of his carts.

in November, 1827.

mittee in, and for each of the several counties respectively, to receive the names of competitors; to so to do; and to receive and forward the vouchers ing the number of bushels contained in an average of each competitor, to the Secretary of the Board load, and gauging others of the like substances by it. of Trustees of the Maryland Agricultural Society And whenever any quantity has been hauled, or a for the Eastern Shore, on or before the 15th day of piece of manuring completed, which can be inspect-October, 1827,-to wit:

Washington Hall, Esq.; William D. Mercer, Esq.

For Kent County.—Goo. W Thomas, Esq.; the Hon. Ezekiel F. Chambers; Thomas Gale, Esq.

For Caroline County .- General William Potter John Boon, Esq.; William M. Hardcastle, Esq. For Dorchester County.— Joseph E. Musc, Esq.;

Resolved, That Tench Tilghman, Robt H Golds-day of October, 1827. borough, and Robert Banning, be the committee for Talbot county; who shall also prepare the terms respectful," we hope, after all Columella's fun, he and rules under which the competitors shall conrespectful, we nope, after all Collidera's full, the data for the above premiums, and shall forthwith proceedings and resolution of the Eastern Shore of Maryland, is respectfully re-A certain grave philosopher, having made the tions to the committees in the other counties; and quested to copy the above proceedings in full, and "admirable discovery," that when a fish was added shall also request their publication in the American lo give them an immediate insertion in their respec-Farmer, and in every paper on the Eastern Shore live papers.

By or ler of the Trustees of the Maryland Agricultural Society of the Eastern Shore of Maryland.

NICHOLAS HAMMOND, Pres't. Attest. ROBERT BANNING, Sec'ry.

vase mad been weighed. Thus they voted their evidence of their appointments, and are earnestly the best bearing stalks. Many other farmers consolicited to meet immediately, and to devise and sider this practice as idle, and some sneer at it; adopt the best means of exciting the attention of the but they only betray their own want of observation; land renters to these bandsome premiums, and of every attentive gardener is well aware of the advancarrying into efficient operation the views of the tage of selecting the best seeds-and how many

prove and increase the crops of corn. wheat, or tobacco-as line, and calcareous matter in its various tural effect of this is, that the varieties of corn are forms of shell marle, oyster shells, &c. &c. &c; sea almost infinite—and hence the need for selecting ouse, or salt grasses; marsh, salt or fresh; the allu- you seed corn is vastly greater, and more palpably ing scheme of premiums, offered to every renter of vial soil collected in the heads of all drains and val-land, by the trustees of the Maryland Agricultural lies; rich swamp earth; beds of old fences; clays those who sneer at a farmer for selecting l carried and applied to light soils; rich light soils seed corn, must be under the impression, that the Manure is the basis of all advantageous agricul-ture. The land renters stand most in need of en-&c. &c., as well as dung, and the productions of the that one stalk's bearing three ears, another two, and couragement, and our rented lands of the aid of this farm yard and ompose heaps, will be considered a third but one, is the mere effect of accutent. But

The trustees would be highly gratified by such citizens, and of increasing the quantity and im- details in the reports of competitors, as would enaproving the quality of all our staple productions, ble them to award the need of praise to enterprise on it. I looked to the next hill—there were two the Board of Trustees of the Maryland Agricultu- in discovering and developing new and hidden re- stalks—on had one ear, the other none. I examinsources for enriching our soils; and to judgment and skill, displayed in collecting, combining, and apply-A premium of \$50, to be awarded to the tenant ing all the various matters and substances, converti-

The competitors will be governed by the follow-

Every person intending to contend for either of the manuring premiums, will signify his intention in writing to one of the committee of his county, before the 15th day of January oext; and he will then, or as soon thereafter as may be, state the quantity tances between the hills; and the quantity of fallow These premiums will be severally awarded and and tobacco ground, if any, which he means to culling stalks; not from accident, but because it is na-

Every competitor must keep a regular account of Resolved, That the following gentlemen be, and they are hereby appointed and constituted a commultee in and for each of the several counties recourt on his land, with the average distances of the out on his land, with the average distances of the hauling. The quantity hauled at a load must be nifest, nor so great; but his crop still improved; view any work that shall be done, when requested ascertained by gauging the cart body, or by measured, a neighbour of character, or one of the com-For tweil County.—Benjamin F. Mackall, Esq.; mittee, should be called on to view the work, and assist in taking an account of the quantity.

Respectable certificates will form the best vouchers, as far as they can be obtained. Competitors you on the relative value of seed from the but end,

For Queen Anne's County.—Col. Thomas Emory; will also be required to give in an account and state-Col. John 'Tilghman; William Y. Burke, Esq. ment of their work, under oath; because, in the general account of the quantity of ground they culivate, of their force, of the number and size of the loads of litter, &c. hauled into the farm-yard, or to compost heaps, &c. &c., their own statements must

Thomas K. Carroll, Esq.; John P. Gale, Esq.

For Worcester County.—Zadok Purnell, Esq.; must be placed in the hands of the first named of The account and vouchers of every competitor their respective committee, on or before the 10th

TENCH TILGHMAN. ROBERT H. GOLDSBOROUGH, ROBER'T BANNING.

ON THE SELECTION OF SEED CORN,

DEAR SIR, November 25, 1826.

Now is the time for those who may not be done gathering corn to select their seed ears. It has N. B.—The several committees are requested to long been the judicious practice of many farmers consider the publication of these proceedings as full within my knowledge, to select their seed corn from Note.—All matter and substances which will im-

Those who sneer at a farmer for selecting his this cannot be the fact. In passing through a poor part of hy field the other day, I was struck with a stalk, and upon examination found five good ears on it. I looked to the next hill—there were two ed many hills round-I found most of the stalks with one good ar, several with two, and one or two with three; \ut this single stalk, though not larger, had more eas on it than any hill near it, where there was either one, or two, or three stalks in the hill. Now, sir, this could not be the effect of accident; it must be the effect of breed. I do not believe that you can find a corn field in which there are not twenty different kinds of corn, mixed in endless shades and degrees. What a field then is here every where open to select a choice from. You plant from a salk that has borne you three ears, it will be most likely to bring you such heartural for like to beget like, and for seed to produce its own kind. I heard a farmer say, the first year he thus selected his seed corn, he produced an and when he went into his field to gather his seed, after three years previous careful selection, he asserted to me, that he found more stalks bearing three ears than he could find of stalks hearing two ears the first season he began to make the selection. . Cornucopiæ.

Edisto Island, S. C Nov. 20, 1826. DEAR SIR, It will be recollected, that last year I addressed

middle, and point, or small end, of corn. You will the same time as possible. But never increase the the grains from the point. I have since tested the render them red at their first coming out.

experiment on a larger scale. I selected three contiguous acres of poor land, and planted every alternate half acre with seed from the three artificial di-

Point, or small end. 8 3 2 10 1 6 Middle, But end. 11 0

It would thus appear, that the ascendant generative power of the small end of corn has not been established. One fact, however, has been fully confirmed, to wit, that the seed from the but end is decidedly more productive than that from the middle. In the first experiment, the advantage of the former over the latter, in a half acre, was one peck and one quart; in this instance, two pecks and six quart. To this result, as exemplified in two fairly testel experiments, our practice, so far from having conformed, has hitherto been in direct opposition and hence obviously to the impairment of our interest.

Respectfully, yours,

WHITEMARSH B. SEABROCK.

WOOL.

Extract of a recent letter, from a respectable gentleman in Ohio.

I had noticed that meetings had been held it your quarter by the woollen fabricators. I regret their distress, and really consider it a great calmity, should their operations cease. I think, however, correct policy would oppose the reduction of the duty on woel, for I believe the United States apable of producing sufficient for all demands in quantity, quality, and price. Such I believe to be the prevailing opinion in Ohio and Pennsylvnia, and west of us. A proposition to reduce a duty which is daily increasing our flocks and aprding our farmers some faint glimmering of being able to produce some marketable commodity, wuld alarm us

We think it not advisable to undrtake any general revision of the Tariff; more ve admit is due

HORTICULTURE.

(From the Technica' Repository.)

OBSERVATIONS ON THE CULTURE OF SILK,

By the late Archibald Stephenson, Esq., of Mongreenan, in Ayrshire.

(Continued from page 292.)

keep up that heat night and day, as equally as possible; for which purpose, have a couple of thermometers in your room for your direction. After the day's production separate by themselves, as it is of eggs have remained in the little packets for three high consequence to have each parcel brought up are extremely destructive to the silk worms when or four days, increase the heat to 15 degrees; and as equal as possible, that all the worms contained they can get access to them; for which reason in four days more, if the weather seems settled and in it may be in readiness to mount for making their every precaution should be used to protect them very promising, increase the heat gradually to 16 cocoons at one and the same time. After setting against such dangerous visitors. For this purpose, time as before.

berry trees are so far advanced as to be out of dan-ger from cold winds, or slight degrees of frost, in-pleting their cocoons; so that the attempt to rear crease the heat gradually to 17½ degrees, or 18 deeggs, and to make the worms come out as nearly at purpose.

also remember, that the result of my experiment heat to more than 18 degrees, because a greater in a heat not exceeding 15 degrees; and even then seemed to indicate the superior productiveness of heat never fails to push the worms too fast, and to there is no occasion to cover them by putting on the

> out, it is a sign the eggs have either been bad, or ill should happen to prove cold, you must in that case kept over winter, or over heated; that is, too much put on the heads of the boxes at night, or cover

> When the worms are entirely black, upon their first appearance, it is a sign of their having been later than the last. In that early state, the three perfectly well managed, which gives great hopes of different meals should be given to the worms at the

When the eggs first begin to take a white colour. with a bit of clean white paper, pricked with many boxes, and then give them some of the tenderest leaves, cut into small pieces, to feed on, giving them it. at the rate of three meals each day.

even in an hour's time, if exposed to the open air, command a thorough air when necessary the walls as to be unfit for the use of the young worms, you and floor of which should be examined with the must put them into a clean glazed pot; but take strictest attention, in order to fill up every little hole care to place them loose, that they may not press or crevice that can give access either to rats or too much upon each other; cover the head of the mice, as both these animals eagerly devour the silk pot with a wet linen cloth, and place the pot in a worms, whenever they can find an opportunity for vault or cellar; or, in case you have none, into the that purpose.

coolest part of your house; by which means the In Languedoc and Quercy they make the stage leaves will keep fresh and good for two or three six feet, but more frequently only four feet and a days together. Besides, you must take care to have always in the house at a time, a stock of leaves sufone side, and afterwards to the other, may be able ficient at least for three days' provision for your with ease to reach over the whole breadth, both for worms, to secure you in food for them during such the advantage of giving the leaves to the worms, length of time, in case of wet weather; as nothing and for clearing away their litter more easily. At is more pernicious to the worms than giving them every nine feet distance in the length of the stage, wet leaves for their fued; for which reason be care- they fix a post in the floor, of a height sufficient to ful never to pull the leaves when wet, either with ful never to pull the leaves when wet, either with support the roof, and to those posts they nail a piece rain or dew, except on absolute necessity; and in of wood across the stage, which piece of wood serves that case you must spread them out, and turn them, to support the baskets to be hereafter mentioned, to Woollen Manufactures, and more we are willing from time to time, with a long wooden fork, that which rest upon the cross bars of wood at the two the leaves may be perfectly dry before you give ends: so that these hars ought to be four inches them to the worms.

It may be here added, that it is the general opinion in France, that the leaves afford a more the cross bars. The stage being four feet and a wholesome foud for the worms when they have been half broad, takes two of these baskets to fill up its gathered four or five hours fresh from the tree; and breadth. They make their stage to consist of as more particularly so if the trees grow upon any soil other than sand or gravel; because the keeping them so long so far diminishes the over-richness of the leaf. The persons employed in pulling the six inches broader than the shelf immediately above leaves must be careful to have their hands clean, it, that the lowest may project three inches on each and free from every strong offensive smell, such as side further than the one above it; and so in pro-On putting the eggs into these packets, increase that of garlick, onions, or tobacco, &c.; and they portion with all the other tables or shelves; the uses the heat to 142 degrees of the thermometer, and ought to be particularly attentive not to bruise the for making this difference of breadth in the differleaves in pulling them.

degrees, visiting and turning the eggs from time to apart separately the production of each of the first therefore, the following one is generally attended When the eggs begin to turn white, and the mul- hatched may be thrown away, as these later worms wood which support the stage with a piece of strong grees at most, to quicken the hatching of your of leaves, besides the trouble they occasion to no their feet slide upon the paper, so that they can get

When the worms are just come out, keep them heads of the boxes, as it is better for the worms to When the worms are red at their first coming have abundance of free air. But if the weather the product of each acre, on measurement, was found to be as follows, viz.

B. P. Q.

The forced when laid to batch. Worms of this colour them with a double napkin, taking care, however, are good for nothing, and are therefore to be thrown away, to avoid the expense of feeding them, and take off the bead of the box or napkin in the morning, when you give a feed to the worms. in the morning, when you give a feed to the worms, as early as you can, at four or five o'clock, but not distance of six hours from each other.

When the worms are coming out they are not to put them into little chip boxes, and cover each box be left scarce a moment, as they ought to be gathered from the boxes as fast as they make their aplittle holes in it, to allow the worms to come pearance; and as this work goes on in the nighl as through, taking care to inspect and shake the eggs well as day, it becomes a very hard task at that from time to time in the boxes, that they may have equal access to the heat; and when the worms are mentioned, who always carefully attended to this ready to appear, put a few mulberry leaves upon particular himself, generally went to bed at nine the paper, to which the worms will readily attach o'clock in the evening, during this critical period, themselves as they come out; and, by means of and got up again at midnight, which was quitting the leaves, you can easily take out the worms as them as little as possible. But this great attention they appear, in order to put them into different little at this time is only requisite in large operations; for example, a pound of eggs, or any quantity above

The stage ought to be erected in a large room, As the leaves when very young will dry so much, with windows on each side of it, so as to be able to

> broad, which allows two inches for each basket to rest on, as the baskets join the one to the other at ent shelves, shall be afterwards particularly explained.

It has been already observed that rats and mice four days, what then remains of the eggs to be to. They cover the foot of each of the posts of no hold. A hoop of glass of the same height, mad

from which, the usual practice, where there is any able to get out of the way, and by that means are trunk is of a brown colour.

When he gets over his set of the way, and by that means are trunk is of a brown colour.

When he gets over his the way above mentioned. lime round the foot of each of the posts which suped against with care.

wicker baskets, three feet long and eighteen inches by which means the bottom is thrown into little what is called their sickness; but as soon as they

size in order to be the more portable.

When the worms come to be placed upon the long, and two feet three inches broad, and the sides a good distance from each other, it gives much brable to those of older trees for the worms at this reeds, after being split in order to make them lie paper is the best,) and so place their worms upon flat. They are bound all the way round with a slip them. This sort of basket I tried while I resided rious to the worms. These insects are remarkably of wood a little more than an inch broad, and about at Montauban, and found them lighter and more lond of cleanness, which besides helps to enliven

each other, and, indeed, without being hampered entire. in any shape whatever. Besides, the stages being cumstance of the highest importance, particularly time. at the time of mounting, as the weather, from the advance of the season, must then be greatly hotter course of the cultivation.

half broad, which exactly filled up one division of the shelf of the stage. But I could not by any means approve of baskets of that size, as they apthe necessary slightness of the materials, they were very apt to ply and hend down in the middle, and plants coming on yearly in your nursery grounds. for that reason were, in my opinion, to be avoided.

use and convenience.

the sun to dart directly upon the worms, as they are not able to bear the heat of it in this manner must give them no more food, till the whole parcel, diate and mortal poison to the silk worm. If a few when it is great. It will even kill them, especially or at least the far greatest part of them, get over when they are young; and if it should not go that their sickness, (by having cast off their old skin,) length in a colder climate than in the south of that you may carry them all equally on; at least as a rest deal of the since it will, notwithstanding, have the effect to nearly so as possible, which saves a vast deal of the since are in the south of the since it is thrown by it into convulsions, which end in forment them, and render them very unquiet, and trouble in the management.

of a size proper for the wood, might, perhaps, be prevent them from eating with their usual appetite. found to answer the purpose better, though I was If the sun darts upon them when they are large, assured the paper had the full effect for which it you will see them fly from it as fast as they can, and trank, or point of his head, is of a jet black colour, was intended. The ant, or pismire, is also a most seek for shelter in the shade, even at the expense of by which he is then distinguished. dangerous enemy to the silk worms; to guard them the want of their food. When young they are not

port the stage, which fully answers for that purpose. I observed a very simple and good contrivance practact that time. Cuts and poultry of all kinds are likewise destructised at Montauban, in Quercy. They take a barrel tised at Montauban, in Quercy. They take a barrel hoop, which they form into a circle, fixing it with of a brownish yellow, or deep buff colour packthread or twine, after which they bind across You must not clear away the litter from the When the worms are young, they are put into the bottom eight or nine rows of reeds, both ways, worms while they are about changing their skin, or broad, the edges or sides of which are made from squares, tying the reeds not only to the sides of the have got clear of their old skin, then you are to retwo to three inches high. They make them of that hoop, but fixing them also in all the different places

stage, they are put into baskets four feet and a half light and handy; and besides, as the reeds stand at young plants in your nursery, as these are still preor edges of them are from two to three inches more air to the worms, which is a great advantage. ime. high, and of the thickness of about 3 of an inch. After making their baskets, in this manner, they You must now begin to be attentive to clear The bottoms of the baskets are made of plaited cover them with strong grey paper, (the strongest way the litter from time to time, so as to prevent a quarter of an inch thick, to keep them together, handy than those before described; however, it them, and gives them a keen appetite for the first

appear to me to be rather too broad to admit of their being newly hatched: it is proper to observe, attached themselves, which they will readily do. people working with that ease which is requisite. I that too many leaves should not be given to them at you then take up the worms by means of the leaves should therefore incline to think, that in place of a time, and that the leaves given should be spread one broad stage in a room, of six feet, or even four feet and a half, which I have observed to be the number of the worms, as they are then so small, that corner, and placed them above those adjoining narrowest in use in France, it would answer the will run the risk of being lost amongst the litter, to them, you then clear away the litter from that purpose better to make two stages of three feet from which they will not be able to disengage them-broad each, with a passage betwixt them of three selves; and you must be careful to cut the leaves brown of twigs or heath, all the refuse and excrefeet broad, and a like passage of three feet upon small during the first ten or twelve days, where the meat, which you must remove entirely before you cach side of the room next the walls; together with number of your worms is such as to admit of your replace the worms in their station; and in the same norther passage of the like dimensions at each end of the stages, by which means all your people could would require too much work to cut the leaves for have throughly cleaned the whole basket. go about and work with ease, without incommoding them, so that in such case you must give them

When the worms are in their first age you need only three fect broad, must be a great advantage at only clear away the litter once, because their orthe time of mounting, (of which afterwards,) be- dure at that time dries as fast as they make it, being cause in that case the heat of the cabins in which in small quantity. When the litter is to be taken the worms make their cocoons cannot be so great away for the first time, you have only to turn the directed, which, during the third age. should be as must be the case when the stages are six or four parcel upside down, and so pull off such a quantity done at least four or five times; and take care to feet and a half broad, as the fresh air must have much more easy access to pass through them; a cirmost expeditious way of cleaning them at that

In giving the leaves to the young worms, you must make the leaves lie hollow upon them, to give happen if this article is not pursued with the strictthan at any other preceding time during the whole air to the worms. When put on too flat and close, they prevent that free circulation of the air which

Daring the whole of the first age, the leaves of the young plants of the mulberry, in the seed bed and nursery, as being the tenderest, are greatly prepeared to me to be extremely cumbersome and un-ferable to the leaves of older trees as food for the wieldy; besides that, from their great length, and young worms; for which reason it becomes of importance to have always a succession of young

When the silk worms enter upon their sickness, In short, I regarded them as being greatly inferior they abstain from that moment from all manner of is poisonous to the worms, and exceedingly contato the smaller baskets above mentioned, as to real food. As soon, therefore, as you observe some gious; insomuch, that every worm that happens to worms of a parcel begin to grow sick, in place of touch this hauid is sure to be infected with the It is proper to observe, that care should be taken three, give them only two meals a day; when more same distemper, which has hitherto been found to to place the stage in such a position as not to allow of them sicken, confine them to one meal only; and be incurable.

When the silk worm gets over his first age or sickness, he is of a greyish colour, and his little

When he gets over his second sickness, that little

When he gets over his third sickness, his head is In place of the wicker baskets already described, remarkably large, which is the distinguishing mark

And when he gets over his fourth sickness, he is

where the reeds come in contact with one another.

This forms a sort of basket, which is extremely inue to feed your worms with the leaves from the

a quarter of an inch thick, to keep them together, handy than those before described, it which is nailed down, and three cross bars of wood are nailed across the back of each basket to keep pack so easily; or, in other words, take more room ing. The litter is taken away in the following upon the shelves of the stage.

But to return to the treatment of the worms upon one correct of the basket, to which the worms having

Durin the third age make use of the leaves of such treesas have been planted out in the field, but reserve theleaves of your oldest trees for the fourth age, as thes last leaves are reckoned the best for

worms when some to their maturity.

Be attentive to cleaning away the litter as before regularly all such yorms as appear to be diseased, to prevent them from infecting the rest, which will est attention. All the worms which you observe to grow of a yellow colour, and to have their skin Both in Languedoc and Quercy, I have seen is at all times necessary for the health of these shining, are strongly diseased, and must be imme-baskets used nine feet in length and four feet and a insects. diately thrown away, for fear of infecting the sound ones. These diseased worms sometimes void a yellow liquid at their tail, and it often also bursts out at other places of their bodies. These must always be attentively removed the moment they are observed; but it becomes more essentially necessary before the worms enter into their third sickness, because at this time they become most dangerous, by voiding the yellow liquid above mentioned, which

death. Just before expiring it throws out a small

other worm happens to touch this watery globe, that which you dress with brushwood, putting the wood quite upright, the worms, when mounting, run worm will also be immediately attacked with convulsions and die. Hence it appears to be necessary, that other third open for putting in the worms, and to several examples; and those worms which tumble persons who are employed in feeding the silk worms give an opportunity to clean away their litter. You down are for the most part destroyed by the fall, should either give up entirely at that time the use then pull the ends of the wood together at the top, in order to avoid this inconvenience, you must make of snuff, or should at least he extremely eareful not so as not to press too closely upon each other, and the brushwood which forms the sides of the arch to suffer the smallest grain of it to fall upon the so tie them with a little twine or packthread, to slope a little, by which means you secure much silk worms, as their death is the certain consequence keep them in their place; after which you put a pa-firmer footing to the worms in mounting. Besides, of their touching it; besides the danger arising to per cap, pretty large, upon the top of the wood, it when you form the cabins, you must be at pains to the other worms, from their touching the little globe having been found that the worms are very fond of cut off all the very small slender shoots, which, of watery substance emitted by the worm first in- making their cocoons under a cover of this kind, when left to themselves, and not properly bound in fected before it expires. It is proper also it should as it affords an opportunity of attaching some with one another, have not strength sufficient to be known, that oil of any kind is as immediate and threads of silk to the paper, which enables them to carry the weight of one worm, far less of several; dangerous a poison to the silk worm as tobacco fix their cocoons the more firmly in their place. I and which, if left, must for that reason always oc-

change the worms during their sickness, because it basket. This appeared to me to be an excellent may occasion the loss of some of them But it is contrivance, as it had the advantage of keeping the necessary to add, that if the litter at that time worms much more cool and airy, than when in the should prove to be in such quantity as evidently to cabins on the stage. But this cannot be done with that it is better to suffer the loss of a few worms, the stage. by removing the litter at that time, than to run In putting up the cabins on the stage, the two the risk of losing the whole parcel, which undoubt rows of brushwood at the extremities of the stage edly would bappen if the litter should be heated are made much thicker than the others, especially tenth part of the whole yearly produce of silk in straight France, which, as already mentioned, is computed at thirty millions of livres.

Here I must remark, that this is the time to assort your worms into different classes, and endeaand make their cocoons at the same time. appear to be equal in point of size with the rest.

form their cocoons; and the person, therefore, who to be necessary. pursues the culture of silk, must now begin to pre-pare for that important period. One of the first brushwood, there is always a little opening at the top away the litter twice in the twenty-four hours, espeobjects of his attention, must be to provide himself of each pillar, occasioned by the curve or tup of the circle circle. Take care to make this opening pretty wide, fore mounting. If this cannot be done, as it is making the cabins of the worms; and there is nothing more proper for this purpose than heath or thuice of that opening, by preference, to fix thembroom, when either of these can be obtained; when selves in making of their cocoons. In order to however, constantly make it a rule to clear away neither heath nor broom are to be had, any other make this opening of the width it ought to be, the the litter regularly in such a manner as to prevent kind of small brushwood will answer, preferring albrushwood should not be altogether straight, but it at any time from increasing so much in quantity ways such as is bushy at the tup, and whose twigs rather cronked or bending. These openings are as to make it run the smallest risk of growing are of a sufficient strength to support the weight of not only evidently the choice of the worms; but damp, and heating, which never fails to destroy the the worms. But it is to be remembered that the another advantage also arises from them, namely, worms. slender brushwood is the best, that you may be that your cabins by this means contain a greater. Many people, during the four or five days which able to bend it which way you will. Strong brush number of worms than it is possible for them to do precede mounting, which the French call the grande per for the purpose

globe of watery substance from its mouth; and if any is done as follows: you take a round willow basket, It has been remarked, that it is improper to brushwood of which rose near four feet above the bling down, as above mentioned.

before the operation is over of their changing their for six or eight inches above the shelf, to prevent skins. This article of keeping the worms clean will the worms from getting out at the ends, and falling the loss sustained yearly in France, by the death of stage, for each row; and in putting up the brushsicknesses, by being smothered in the litter, by the and the second to the left; and so alternately, keepand to heat at these critical periods, is not less, ban, and seems an improvement to their manner upon an average, than between two and three unlifered to make the cabins in Languedoc, as it serves ing again or the branches. But to return to the treatment of the treatment o

advisable to cover the pillars which support it, and you must pick them out and put them by themto cover likewise the top of the stage with brush selves: that is, all those that get over that disease, wood. In constructing the cabins, great care must for the first two days, may be put into one parcel; your to have every class as nearly of a size as pos- be taken to put up the brushwood in such a manner those of the next two days, into another parcel; and sible; that each class may be wholly ready to mount as to allow a passage for the worms betwixt the dif- so on with the rest, that each separate parcel may This is ferent branches, which, however, must not be too be carried on as equally as possible. also the time to push on those worms which appear wide, and it is right to make a great number of the Here I must observe, that the practice in France to be a little behind, by not having had an equally points of the brushwood touch the shelf; because it is to give none of the tender leaves, from this time easy access to the leaves with the rest, that you affords the greater opportunity to the worms to may render them equally ready to mount with the others. This is done by putting them into a basket, put a number of roses, or other sweet smelling have, which, they think has the effect to give apart by themselves, and by giving them an addi-flowers, upon the pillars which support the stage, more consistence and strength to the silk produced tional meal each day more than what you give to and in other parts of the room, with a view to by them; and it is proper to add, that from getting the uthers, until you observe by your eye, that they sweeten the air. But the best apparent means for over the fourth disease, till within four or five days this purpose is to take care to keep up a free circu- of their mounting, they are in use to give four Being now arrived at the fourth age, the time lation of fresh air in the room, by keeping open all meals a day to their worms. approaches when the worms will mount in order to the windows, and the doors also, if you find that

If, in forming the cabins, you place the brushhad some baskets dressed in the above manner, the casion the loss of a good many worms by their tum-

In describing the stage, it was said to be proper to make the lowest shelf six inches broader than the one above it, that the lowest may project three inches on each side further than the one immedirun the risk of heating, before the worms can get a large quantity of worms, because it occasions a ately over it; and to make the same difference of quit of their old skins, which they generally do not good deal more expense; besides, that these baskets breadth in all the other shelves progressively as you accomplish in less time than two days and a half, take up a great deal more room than the cabins on go up to the top of the stage, which three inches of breadth in the different shelves is intended to re-In putting up the cabins on the stage, the two ceive the worms which may happen to fall from the shelf above. And therefore these different projections must be covered with brushwood, when once your cabins are well furnished with worms, as this will help to break the fall of such worms as may appear to be of high importance in the silk culture, over the stage. In putting up the other rows, you happen to tumble down. And for the same reason when it is added that it is commonly computed that lay a little piece of wood, or a reed, across the it is advisable, when once your cabins are well furnished with worms, to put a little brushwood in the the worms during the times of their four different wood you make the first turn to the right hand, bottom, and at the entrance of each cabin, as it will be of service to such worms as fall from the brushgreat quantity of litter, leaves, and worms above ing the reed in the middle, which binds all fast. wood above, and afford them a proper convenience them, and by the litter's happening to grow damp. This article of the reed I saw practised at Montaustunned with the fall as to disable them from mount-

But to return to the treatment of the worms during the fourth age: as soon as you find several of In dressing the stage with the brushwood, it is your worms have got over their fourth sickness,

The most attentive care must also be given to clear away the litter regularly every day, and if it

wood is not so pliable, and by that means not pro- when these openings are too small; and consequent- fraize, are in the custom of giving from four to five ly fewer cabins will answer your purpose. When meals a day to the worms, giving a larger quantity Having provided your brushwood, it may be prothe brushwood is quite straight, it must necessarily of leaves at each meal. But it seems much more
per to prepare a parcel of baskets, for such of your
occasion these openings to be made. The brush-ladvisable to give them fewer leaves at a time, and
worms as are somest ready for mounting, in the
wood ought to be quite stripped of its leaves, and
to repeat their meals oftener, even to the number of
manner practised at Montauban, in Quercy, which cat up, without occasioning so great an increase of imposed on me as a task, I should perhaps have the litter. But what is still of more consequence, soon grown weary. But the curiosity she expressed You circling worlds, their distance and their size; the fresh leaves so often repeated, never fail to give in all I read, increased mine. The pleasure I gave To show him in an insect or a flower, the fresh leaves so often repeated, never that to give her, fresh edge to their appetite; so that in fact, in her, was reflected back again to my own bosom.

A microscopic proof of skill and power; the space of twenty-four hours, the worms actually "Whenever through indolence or indifference, I To spread the earth before him, and commend the space of twenty-four hours, the worms actually cat up a much larger quantity of leaves than they neglected to examine maps, or compare dates and could have done by following the other practice of facts, instead of enjoining it on me as a duty, she To teach his heart to glow with generative note. could have done by following the other practice of four or five meals a day, as none of the fresh leaves four or five meals a day, as none of the fresh leaves would express her own anxiety to obtain the know-four or five meals a day, as none of the fresh leaves would express her own anxiety to obtain the know-four or five meals a day, as none of the fresh leaves would express her own anxiety to obtain the know-four from the deeds of men of ancient fame. And more than all with commendation due, made efforts I should never have made to satisfy my practice, of course, hastens the worms to their full practice, of course, hastens the worms to their full own.

Such knowledge maturity, and upon the whole saves a considerable own. quantity of leaves, because few or none of them are lost amongst the litter. Besides, that the ope-from one object to another; from one science to another, and reprehension both, ration is by this means sooner brought to a concluther, and by frequently conversing on the subjects Of the mere schoolboy's lean and tardy growth. sion, and the worms always kept in high health of my studies, impressed them deeply on my mind. and appetite by it. Upon these occasions let it be a fixed rule to feed them at night, immediately be- my education, she was herself ignorant of the first in the morning.

to pay attention, and that is, the moment a basket child, she might still have remained equally ignory worms is cleared from the litter, the litter should rant. In teaching me, she had taught herself, and be instantly carried out of the room, and along with I believe, sir, you will acknowledge there are few tall the dead worms you can find, in order to prebetter informed women than my excellent and afvent, as far as you can, any bad smell from taking
place in the room, which is always hurtful to the
worms, nothing conducing more to their health than cleanness, and preserving always good air in

During the four or five days which precede the the subject. mounting, the worms eat with the most voracious fatiguing work for those who attend them.

You will know when the worms are ripe, by ob- on schools. serving them with attention when you give them fresh leaves. Those that are ripe, instead of eating, parent like a new laid egg, and of the coloni of the silk, which is also much the same with that of a new laid egg. When they are nearly ripe, their bellies begin to grow transparent first of all, but they are never thoroughly ripe till their heads are "My son had the same character, joined to a dethey are never thoroughly ripe till their heads are transparent also.

(To be continued.)

LADIES' DEPARTMENT.

THE MOTHER.

(Concluded from page 294.)

"With a mind thus prepared, a curiosity thus excited, my mother led me to the study of books, and it may be easily comprehended that I took more delight and felt more ardour in such a study, than I am persuaded a mother can do a great deal toward boys who undertake it without the excitement of ouriosity. How often, in answer to my eager inquiexciting their curiosity, stimulating their industry, ries, has she replied, 'Wait until you can read well, and rewarding their labour." you will then find all you want to know in books. Books, to which she so constantly referred, seemed to me the greatest treasure in the world. When you can read well, you will then have the key which will open to you this treasure,' has she often said. To be able to read, and thus acquire the key to the treasures of the world, was, to my infant mind, the most desirable of all objects. Sports, toys, every thing gave way to this predominant desire, and I soon bent my whole time and attention to this one object, and having obtained the key, I have ever since drawn freely from this inexhaustible treasure, this store-house of human knowledge.

"The interest my dear mother took in my studies,

cording as you find them in appetite; by which kept alive the ardour she first kindled. Had I been means the leaves are more quickly and thoroughly left to my own solitary researches, or had they been

"She has since told me, that when she commenced fore going to bed, and as early as you possibly can rules of grammar, arithmetic or geography; that in fact she had never read any thing but novels and There is another particular to which it is proper poetry; and that, had I been a robust and healthy

I was astonished, and deeply affected by this recital, and often afterwards conversed with her on

"Whatever might have been my anxiety for the appetite, and in that period consume an incredible health of my darling and only child," said the quantity of leaves, so that the supplying them with fresh leaves, and the clearing away of the litter, ing him to school, rather than allowed him to grow becomes at this time a most laborious, incessant, and the supplying the strength of the supplying the school of the supplying th ley's Life of Cowper, and afterward Cowper's poem

"The heavy calamity, the sad fate of this most amiable of poets, his biographer thinks might have twenty-four cows, and makes great quantities of avoid the fresh leaves, and run over them as fast as been averted, had his mother been spared to him. they can; and you will observe them wandering A child timid, shy and reserved, as was Cowper, and wife. He has no children, and hires no labour exabout on the sides or rim of the basket. You will at the same time endowed with unusual tenderness cept in the time of hay making; during that busy also know it by looking at them on the side opposite and sensibility, was exposed at public schools to a season list wife brings the twenty-four cows from to the light, as you will then find them to be transparent like a new laid egg, and of the colour of the fects of character, shocked his tenderness, and cheese, takes care of one or two tons of cheese on

> licate and feeble frame, and to avert from him a similar fate, I resolved to undertake myself the task of instructing him; I had too, in my eye, the example of Gibbon, who so gratefully acknowledges his obligations to his kind aunt, Mrs. Porter, who watched over and instructed him during his childhood, when he was too sickly to be sent to school. Had I had a large family and a small fortune, other duties, still more imperious, would have prevented my

> "But in all ages, even when children go to school, accelerating the improvement of her children, by

Then why resign into a stranger's hand A task so much within your own command, That God and nature, and your interest too, Seem with one voice to delegate to you?

Even in his pastimes he requires a friend To warn and teach him safely to unbend, O'er all his pleasures gently to preside, Watch his emotions and control their tide; And levying thus, and with an easy sway, A tax of profit from his very play; T' impress a value, not to be erased, On moments squandered else, and running all to

To lead your son for prospects of delight, To some, not steep, tho' philosophic height, There to exhibit to his wondering eyes, To teach his heart to glow with generous same,

"By such innocent artifices, would she lead me on Would make him what some lovely boys have been.

DRESS.

(From the London Lady's Monthly Magazine.)

Simplicity of dress is like modesty of manners, he handmaid of grace. Gorgeous ornaments distract the imagination of the observer; and the wearer, like the silk-worm, is hid amid her own magnificence. But a decent garb, adjusted to the elegant demeanor, is more attractive than the cestus of Venus! can render even beauty more amiable, impress the idea with aogelic perfection and innocence on the mind of the beholder, and compel us to adore virtue thus personified in woman!

A PROFITABLE WIFE.

We are informed that there is a farmer in the town of B--, in Hampden county, who keeps butter and cheese, with no help in the dairy but his

(From the New York Statesman.)

Look up-O taste, taste not the bowl Again, nor dream of pleasure there, Which, while it lulls, destroys the soul, And deeper sinks it in despair.

Tis but to paint a blacker sky, To add to cloudy darkness, night, To give another agony To the fresh thoughts of crushed delight.

When from the world's mad revelry, When from the oblivion of an hour, Thou wak'st the cup of misery, Is thine and mem'ry's crazing power.

Then turn again and feel for them Who long have felt and feel for thee; Nor take away that priceless gem, Thy soul's best light that used to be.

The smile of happiness from one Whose heart with thine is so entwined, That what disturbs thy soul alone Can give an anguish to her mind.

Art thou a husband, and canst look Back on the past nor feel a sting! Have heaven and fendness thee forsook, That thou canst feel no sorrowing?

Canst thou forget the heart that turned To thee in all its wo or bliss: And which still burns, as then it burned, With all its young, warm faithfulness!

O turn again! and in those eyes, Perchance, where we his sign has set, The light of better days will rise, And her last bloom may flourish yet.

Yes, in that cheek where nature first In all her earliest witch'ry shone, The rosy flush again may burst, And life and bliss be all her own.

SPORTING OLIO.



NORFOLK RACES.

A Match Race, two mile heats, for a purse of two thousand dollars, will be run for over the Norfolk Course on Saturday the 23d inst. by Mr. WRAY's horse Eagle, and Mr. GARRISON's mare Sally Hope Eagle ran the past fail at this place, Portsmouth, Hampton and Gloucester, and won the largest stakes at each place without being once beaten. Sally Hone also won the first day's race here, and a purse at Washington, beating some of their best horses So that one of the most interesting races may be anticipated that has been witnessed here since the memorable one between Sir Solomon and Wrangler. Both nags are in fine condition, and both parties equally sanguine of success. [Norfolk Herald.

SQUIRREL HUNT.

(From the New Hampshire Statesman.)

Two parties of ten each of our sporting friends in the neighbouring towns of Dunbarton and Weare, (N ti.) amused themselves on Wednesday, the 8th inst, in the exhibitating exercise of hunting. Returning at evening to Smith's tavern in Dunbarton, where they partook of a supper and other refreshments, it was found that the two sides could count up, as the trophies of the day, the following game:

Dunharton.	Weare.
84 grey squirrels,	14 grcy squirrels,
201 red do.	225 red do.
8 partridges,	9 partridges,
2 rabbits,	1 duck,
1 duck,	2 crows.
2 hawks.	

251 So the Dunbarton Sportsmen prevailed.

HUNTING SONG.

SIR-In the selection of songs for the Sporting Olia, a preference would seem to be given to the pleasures of the chase-As habit has given me a partiality for "my dogs and my gun," I send you a few lines which an old shooting companion sometimes sings to a few friends, after the day's amusement, when we are seated in snug quarters, enjoy ing a bottle of good sound port.

When Ceres and Phæbus are seen hand in hand, With my pointers around me all under command; I roam o'er the meadows and fields void of care, No pastime on earth can with shooting compare.

New pleasures await me as home I retire. For to please all my friends is my only desire; My game I distribute and send them away, Then with sparkling champaigne crown the sports of

the day.

Thus cheerfully passes each day and each night, For my Dogs and my Gun are my constant delight

MISCELLANEOUS.

AMERICAN QUARTERLY REVIEW .- We refer the reader to an advertisement of Messrs. Carey & Lea, of Philadelphia, proposing to publish an American Quarterly Review; and it affords us no ordinary degree of satisfaction to add, that such arrangements will be made as to render the work valuable and ship building, spread her "white canvass to the permanent. Writers of the highest order are engaged as contributors, who are to be paid by the to proclaim on every sea that the city which gives publishers after the manner of the London and "graves to her invaders, to her defenders mon-Eduburgh Reviews. 'This is the only way in which ments," is not wanting in a knowledge of the useful the character of a work of the kind can be preserved. The worst of all support for such a work, is that expected from voluntary, unpaid for, and eleemosynary contributions. There is talent and learning enough in our country, to impart to the the occasion, with his usual good taste, by Captain proposed work an exalted character, and we feel Trippe at the instance of Mr. Rebello, whose affacontident that the publishers will now call it forth. bility gave a charm to the whole excursion. The The editorial department is to be committed to Robert Walsh, Esq. than whom few men in any beamed on every countenance, and as the social country are better qualified for the station.

Con. Ad.

Through life, I have observed there is no superfluous civility that brings more dissatisfaction to its donor, than a PARTY. Those that are not invited become his enemies; while those that are, receive the intended compliment as their due, and depart ridiculing the inadequacy of his efforts.

F. REYNOLDS.

RECIPES.

CURE FOR THE AGUE IN THE BREAST.

To Married Ladies.- A lady who has often experienced the assuaging effects of the following salve, knew it to fail.

A plaister for a Broken Breast.—Take half a pound Spread it on soft leather, (or strong linen,) so as to cover the breast, with a hole for the nipple.

[Edwardsville Spectator.

EDITORIAL CORRESPONDENCE

THE SHIP-BUILDER AND THE FARMER-how connected.

MR. EDITOR.

A few weeks since I had the honour of an invitation to accompany a party of ladies and gentlemen to visit the splendid frigate "Baltimore," With the game in my net I return home at night, Rio Janeiro. This fine ship was under the com-codfish—to the landholder of Florida, for live oak—For my Dogs and my Gun are my constant delight. mand of Captain Buchanan, by whose orders and and to him of Maryland, for flour, yellow pine and

personal kindness the company was conducted through every part of her, to the admiration of all on board. Never did any vessel exhibit more happily the combination of all that was requisite to strength and swiftness-elegance and comfort; every department displayed the skill, fidelity and pride of naval mechanism. The rigging, from the well established manufactory of Mr. James Ramsay, appeared especially to display every novelty and beauty, both in the art and the material. The smith's work looked, for strength, to be worthy of Vulcan's own anvil; and the timber, in substance and seasoning, seemed as if it might well defy the ravages of time and tempest.

The large party of ladies and gentlemen saw this proud monument of Baltimorean excellence in breeze," with feelings of pride, that she was going ments," is not wanting in a knowledge of the useful arts that belong to peace, and the finer ones that indicate and promote national prosperity.

On returning to the steam boat, the company partook of a sumptuous entertainment prepared for bility gave a charm to the whole excursion. The afternoon was passed in great harmony-pleasure glass went round, numerous sentiments and healths were drunk with cordiatity and glee. Amongst the guests was Col. Stone, of New York, whose politeness prompted him to drink health to the citizens of Baltimore, and to offer the wish that their prosperity might keep pace with their hospitality.

Mr. Eckford, of New York, under contract with

whom the Baltimore had been built by our successful architect, Mr. Beachem, was also one of the guests; and here, Mr. Editor, let me stop to remark, that perhaps no citizen in the United States has contributed more by his purse and personal energy, to our success and glory on the ocean and the lakes, than this gentleman. He was the great reliance of the government, in the gloomiest period of the war, when we were waging, single handed, a "war of the broad-axe," with the most powerful and has frequently contributed to the relief of her nation in the world. In short, sir, who can tell suffering neighbours by its application, wishes to what would have been the extent of the ravages extend the benefits of it as far, if possible, as the that would have been committed through all our agonies of a swelled or gathered breast may be felt, northern frontier, by the British and their red allies, and for that purpose requests us to insert their re-cipe in the Spectator. We take pleasure in giving a naval force which no man at that time was compe-our aid to the accomplishment of her benevolent tent to provide except Henry Eckford? But I must purpose; and add our testimony (from experience in not digress from the objects of your paper, nor my [one of] our own families,) to the great value of the own design, which is simply to show how valuable is composition. We have repeatedly known it cure, the ship-builder as a customer to the farmer; and this and to prevent, the distressing complaint—and never may best be done by repeating an illustration of the subject on the occasion here spoken of. In the absence of Mr. Eckford, who is free from ostentation, of mutton tallow, four ounces of beeswax, and rosin as he is full of energy and talent in his professufficient so as not to make it too hard; melt them sion, the Editor of the American Farmer proposed "The health of Henry Eckford-of him who gives together; add a gill of good spirits; let it simmer "The health of Henry Eckford—of him who gives over a gentle fire until the spirits are evaporated, employment to the skill, and sustenance to the families of so many worthy mechanics-any city may be proud." Then followed reflections on the extent to which the Farmer is benefited by such men as Mr. Eckford, and the suggestions naturally followed, that in the construction of every ship he must give employment to the farmer of Kentucky for his hemp, to make rope, oakum, sail cloth, twine, lines, &c.—to the farmer of North Carolina for his tar, pitch and turpentine-to him of Virginia for coal from Norfolk, and beef and tallow from the South Branch-to the farmer of Pennsylvania, for Susquehannah pine and whiskey-to him of Connecticut, for cheese-to the farmer of New York, for and to see her weigh anchor and make sail for peas and butter-to Massachusetts, for glass and

white oak-and to the farmer of Hampton, for iron be packed and sent to market with profit? By the of best quality-to him of Ohio, for pork and lard- agency of Mr. Charles Williams' cotton packing in short there is scarcely a trade or occupation machine, 476 lbs, of hay may be pressed into upon which human industry is profitably exercised space of $4\frac{1}{2}$ feet long, $2\frac{1}{2}$ broad and 2 high. The that is not encouraged by the ship-builder, when he subject is worthy of calculation. At the price above furnishes a means of interchanging between all nations, and making common stock amongst all; the worth more than the grain. most valuable improvements and discoveries, and the most precious fruits of civilization and refinement that belong to any one of them. No individual in the United States, it was observed, has put in requisition so many of those who exercise, or depend directly or indirectly upon, the trades of the ship chandler, the rope maker, the sail maker, the mast and block maker, the bnat builder, the paper maker, the tanner, the plumber, the glazier and painter, the cooper, the tallow chandler, the grocer, the butcher, the coal merchant, the baker, the cheesemonger, the optical instrument maker, the farmer, the grazier, the miller, the malter, &c. How much more then are we bound to pay respect to those who push with energy and honour a trade that gives occupation and comfort to so many classes of their fellow citizens, than to the mercenary politician, or the milita ry chieftain in wars of aggression? Need I add, that the "health of our guest, Henry Eckford," was drunk by the whole company, una voce.

THE NEW BUSINESS.

MR. SKINNER,

Your suggestion of a new Commission Merchant, or an agent for the sale of stock, is an excellent idea A man, honest, active, and fitted for the pur pose, might at once jump into great business. We want an agent for numberless purposes—to sell pork and hams, to sell lard, poultry, fruit, and vegetables of all kinds. As we now send them, the market is so far off, the Captain cannot take them up, and if he could, he has not time to retail them, Frederick, and all our notions are now sacrificed to sharpers and bucksters. A good agent would at once establish a choice little market on the wharf, to the mutual advantage of the farmer, the housewife, and the Union Manut. Co. Stock, per share, consumers. RICHARD,

THE FARMER.

BALTIMORE, FRIDAY, DECEMBER S, 1826.

Ecurse .- Many requests being made, that the citizens generally may have an opportunity of seeing American Eclipse," the Editor has the satisfaction of now saying, that this horse will be shown in Washington Square, on Saturday, the 16th inst., at

12 o'clock precisely.

Eclipse has been pronounced, by the very best judges of horses and their pedigrees, in point of form, to be certainly superior to any horse now Jack was sired by Colonel Fitzhugh's eetchrated Jack mown in this country; and in point of pedigree to "Knight of Malta," and will be five years old in Male inferior to no horse in this country or in England. He shews at the view open to a superior to the first premium was awarded for him at the land. land. He shews at first view, even to a common last Maryland Cattle Show, on the Eastern Shore. T Jennets are descended from Gen. Washington's "Co judge, great strength and delicacy, a point very rare-ly combined in the blooded horse. Without going Apply to the Editor of the American Farmer, or to the Apply to the Editor of the American Farmer, or to the Apply to the Editor of the American Farmer, or to the Apply to the Editor of the American Farmer, or to the Apply to the Editor of the American Farmer, or to the Editor of the American Farmer, or to the Editor of the American Farmer, or to the Editor of through his pedigree, it will not be amiss to say that Eclipse has one cross of certainly the best horse ever imported. His grand sire was the famous horse 'Messenger.' Immediately after the exhibition, he will proceed on his journey south, from whence he will no doubt never return. So that this may be the last time he will ever cross the Potomac.

PRICES OF STOCKS.

(Reported for the American Farmer, by MERRYMAN GITTINGS, Stock and Exchange Brokers.) Dulature D

	L	fattume	ore, L	hc. 8,	1826	
BANK STOCKS.			pa	r valu		
U. States' Bank Stock, p	er sl	are.	9	100	#120	e. 1
Bank of Maryland,	do.			300	227	20
Bank of Baltimore,	do.	(div.	off,)	300	340	
Union Bank Maryland,	do.			75	75	w
Mechanics' Bank, .				9	9	w
Franklin Back,				20	25	.25
Commercial and Farme	rs'_B	ank,		20	26	
Farmers' and Merchants					54	.25
City Bank, w	•			15		.80
Marine Bank,		•	•		27	
Farmers' Bank of Mary	land,	, w		50	52	.25
CITY STUCKS.						
Corporation 6 per cent. after 1836,	rede	emab	le ¿	100	111	
after 1836, .			5			
Do. 5 per cent. redeema	ble i	n 183	⊉,	100	101	1 20
Penitentiary 5 pr. cent.s in market,)	tock	; (noi	ne }	100		
Museum, 8 per cent.	(no	dam	and)			
Masonic Hall, 6 per cen	t	delli	and.	100	nar.S.	in f
Masonic Hall, 6 per cen Annuities, or Ground R	ents.	•	6.10	10	per es	ent.
The state of the s	011139	•	0 10	, , , ,	or co	mt.

ROAD STOCKS. Reister's Town, 7. 20 12 Washington and Baltimore, 31 Baltimore Water Company Stock, ¿

93

per share, (div. off,) 50 14 Gas Stock. 100 106 Temascaltepec Mining Co's, per share, 600 Havre de Grace Turnpike 6 per cts. par & interes

U. STATES' STOCK.

Six per cent. 1813,				100	101310
, 1814, .			٠.	100	102410
, 1815,			. '	100	
Three per cent				100	81
our and half per cent.	·		. '	100	103
ive per cent		Ť	٠.	100	108
W., wanted-by Merry			Hino		100

FOR SALE,

Dec. 8, 1826.

CONTENTS OF THIS NUMBER.

Curwen in reply to Columelia—Premiums of Agric. Society of Maryland for the Eastern Shere -On the selection of Seed Corn—Wool—Observations on the Culture of Silk, continued—The Mother, concluded—Dress has been trodden out, brings from the china-men. For packing that ware, \$15 per ton. Hundreds of tons of this article is used for litter, and thrown away on our navigable water courses. Could it not Business—American Eclipse—Editorial. Curwen in reply to Columella-Premiums of Agr

PRICES CURRENT.

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ve	BEEF, Baltimore Prime,	bbl.	8	00					-	-	
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	BEES-WAX, Am. yellow	-		29		30				50	
=	COFFEE, Java,	-	1	61/2		17		20		22	
	Havana,			14		17				20	
	COTTON, Louisiana, &c.			11		14					
- 1	Georgia Upland,			10		12					
80	COTTON YARN, No. 10,			28							
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j	each number to No. 18.					1		-			
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	FEATHERS, Live,			30						15	
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w	Shad, trimmed,			50	6	(10)		- 1			
- 1	FLAXSEED,	bush	1	00]	- 1	10		1			
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	Clover Seed, Red	bush	4	50			5	00			
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	Orchard Grass Seed,	bush		00			3	50			
	Mangel Wurtzel Seed,	-	(1	25			1	50			
it.	Timothy Seed,	_	4	00			4	50			
ıt.	Oals,	_	1	48		50					
	Room: White		1	25	ì	50	1	87			
	Bean White,	1.	1	~ 0			•	31			
25	HEMP, Russia, clean, .	lon	205		24			- !			
50	Do. Country HOPS, 1st sort, (1826)		120		500	0		- 3			
00	HOPS, 1st sort, (1826)	lb.		20							
	HOGS' LARD,			7		10		12			
50		15	1	61				1~			
	LEAD, Pig	lb.									
	Bar	_		75		00					
	LEATHER, Soal, best,	-		21		23		32			
w	MOLASSES, sugar-house	gal.				50	- 6	321		75	
	Havana, ist qual	_		30		32		373			
	NAILS, 6a20d	lb.		61				9			
				50	1	521					
est	NAVAL STORES, Tar,	bbl.		00	1	J~ 2					
	Pitch,		2								
	Turpentine, Soft,		1	75							
320	OIL, Whale, common, .	gal.		30		52		40			
	Spermaceti, winter .	-		80		85		88			
1200	PORA Baltimore Mess,	bbl		00							
w	1	1001	1 -	00	8	50		1			
	do Prime,	-	1 2		9	00		1			
	PLASTER, cargo price,	ton.	1 .	50	1			1			
	ground,	bbl.	1	50				3			
	RICE, fresh,	lb.		34				5			
	SOAP. Baltimore White,			12		14		18		20	
	Brown and yellow,			5 1		8		10		12	
	WHISTEY let puch.			36				38		50	
	WHISKEY, 1st proof, .	gal.				37				00	
'he	PEACH BRANDY, 4th pr			75		00	1	25			
	APPI E BRANDY, 1st pr			28		30		50			
ek,	SUGARS, Havana White,		12	50	13	50	14		15		
ay	do. Brown,			50		75					
he					10	00	10		11		
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m-	Loaf,	lb.				22		_		26	
)I).	SPICES, Cloves,			70			1	00			
	Ginger, Ground,			7		12		12		1\$	
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e's	SALT, St. Ubes,	bush		43				75			
is		ונפונוט		48				75			
ek	Liverpool ground	1						12			
	SHOT, Balt. all sizes,	clb.		50			0				
	WINES, Madeira, L. P.	gal.	1 2	50	3			50			
	do. Sicily,	-	1	10	1	15	1	50	5	00	
=	Lisbon,	-	1	05		10	1	50	1	75	
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Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

ANTHRACITE.

(From the Franklin Journal.)

Remarks upon the use of Anthracite, and its application to the various purposes of domestic economy.

The use of the anthracite, as a fuel, has been so generally approved, that it seems likely to supersede, to a great degree, all other substances, both in manufactories and families. In almost every case, where hickory wood; and it is not unlikely, that at no views, is found to answer perfectly well. distant day, it will obtain an equally firm footing in to, when their inconveniences are but too obvious log, &c. were tried, and found to answer in the kitchen grate, thus put into use: This is probably attributable to the want of a collection of facts, ascertained with correctness, which might serve to settle the general principles applica-ble to the subject. To assist in forming such a coffection, the following remarks are put upon paper, by an individual who has given much attention to the use of the anthracite, during the last four years. It is quite probable, that similar observations may have been made by others, but as the results were new to himself, and to almost all with whom he has conversed, he is inclined to believe that, if known, they have not received the attention to which they are entitled.

The first experiments were made on the 4th, 5th and 6th of the fourth month, (April,) 1826, and were intended to determine, whether a great draught, and a small flue, are indispensable, in order to hurn the coal with ease, and to produce the quantity of heat required for ordinary purposes, and were made in the following manner:

A common east iron Liverpool coal grate, was placed in a large open wash-house chimney, and being merely supported upright, by means of dry bricks, the flue was left of its ordinary size as when used with a large wood fire. The fire chamber of the grate was entirely of iron and not lined with brick, or any other substance. A fire was first kindled with Swatara coal, as being the easiest to ignite, and was continued throughout a day. On the following day, a fire was made of Schuylkill coal, and on the third day, of the Lehigh. In each case, the fire was as good, as those made of the same kinds of coal in other grates, and required about the same attention to keep up the combustion; the Swatara coal, requiring the smallest quantity of charcoal to kindle it, and the Lehigh, the largest; whilst a much greater proportion of the former was bright and glowing, than of the latter. The Schuylkill coal appeared to be at a medium between the two, in these respects.

Another trial was made by placing several iron bars upon the andirons, in an open Franklin stove, upon which the coal was burned with perfect ease, making a beautiful fire, and casting out a heat quite

equal to that from wood.

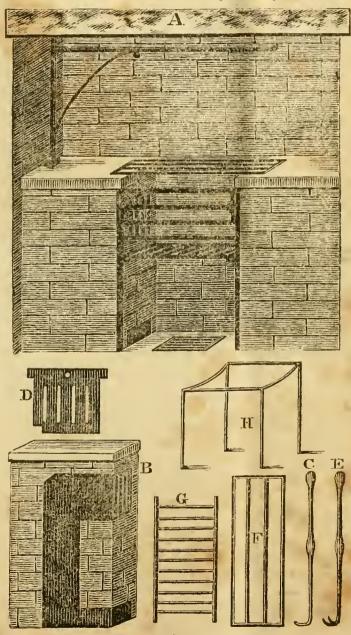
From these results, it seems that a small flue and a great draught, are not indispensable, for the purpose of making a good fire of anthracite. The latter, it is true, is of some importance in kindling the fire, but if a blower be used, the draught will be greater, and the fire more quickly kindled, with a wide flue than with a narrow one. The common objections to a fire of anthracite, now that the difficulty of kindling is surmounted, are, that it throws more dust into the room than wood does, and imparts an unpleasant dryness to the air These objections are certainly in many cases well founded, and their removal is of importance to persons crane, &e of delicate constitutions, and to those who are studious of neatness in their parlour arrangements.

That they generally, if not always, proceed from most satisfactory manner. The use of this grate having the flue too much contracted, and the grate was continued for some weeks, until the plan of too much projected into the room, there can be no another was fully decided upon, embracing alteradoubt. By an increase in the size of the flue, and tions calculated to obviate some small inconveby placing the grate more backward in the chimney, niences. This grate, having been permanently the objections here referred to, may be entirely obviated; but, in that case, it may be needful to in- daily, with the anthracite coal, during the last four crease the size of the grate, so as to produce an months, for all the kitchen purposes of a small increased quantity of heat, as a portion of it must family, (except baking of bread which has not been it has been tried for parlour use, it may be said necessarily escape, by an enlargement of the flue. to have gained the preference over, even the best A parlour grate, erected in conformity to these

The next experiment was made, in order to deour kitchens. Notwithstanding, however, the num-termine whether the common culinary operations ber and variety of trials that have been made, it of a family, could be carried on as conveniently does not appear that any particular form of grate, with coals, as with wood. For this purpose, the or size of flue, has as yet obtained a general or de-first mentioned grate was removed, and placed in a cided preference: in fact, it is rather remarkable, common kitchen chimney, with a wide flue, and tion from the too common annuyance of smoke. that some of the first attempts should be adhered open front; and all the usual process of family cook-

erected in place of the former, it has been used tried,) and has proved as complete in all respects. as the common wood fire. In some points it is, in fact, preferable, as it does not require the cook to stoop, as at a wood fire; and the fuel is supplied with much less labour, and the steam and other exhalations being carried off by the open flue, the comforts of the kitchen are in no way diminished, but, on the contrary, increased, by an entire exemp-

The following is a plan and description of the



A .- Front view of the chimney place, grate,

B .- The side flue, to assist the draught, C.—Poker, about three feet in length.

D.-A cast iron plate, used to partition off a part of the grate, so as to make a small tire.

E .- Hook, for lifting and drawing out the moveable bottom of the grate.

No. 39. -vel. 8.

20 00

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pots, &c., to stand upon.

G .- Bottom of the grate, made moveable.

H .- Stand, for the tin roaster.

The fire place is three feet ten inches high, and secretary. three feet ten inches wide.

deep, and the bottom, fourteen inches above the thickness, and the space between them, an inch and port said proposals to the Board of Trustees. and the upper one is moveable, and falls forward, so mode of proceeding. as to be on a level with the second, forming a convenient situation for a toaster, or other article, to be placed before the fire.

The side platforms are two feet one inch high, containing the side flues, which are two and a half \$20, before the 1st day of June next. inches, by four inches, covered at top by a soap

stone slab.

runs all across the chimney.

The goard iron, is one foot ten inches long, and adopted the same, and nine inches wide, with bars, half an inch square, and two inches asunder.

The dividing iron D, corresponds with the dimen-

sions of the grate.

This grate* is of a size suited to a small family, but by extending its dimensions, accommodation may be had for the largest establishments. A se- their respective papers. cond crane may be added, and the depth towards the back of the chimney increased, without injury to the other arrangements. The usual operations of boiling, roasting, and broiling, in a proper state Fer the Farm of not less than 100 acres, of the fire, may be performed with the greatest ease; and after being accustomed to the use of it, there is little doubt but our cooks would, in general,

prefer the coal fire to the wood

The kitchen fire referred to, has always been kindled without a blower, merely by using dry bark, which, on experience, is found to be extremely For the second best Farm; particulars as well suited for the purpose; and in case of the fire sinking below what may be required for any parti-cular operation, it may be revived, by adding a few pieces of wood or bark. But a blower may often be a convenience, and may be made with a common sheet of iron, adapted to close the chimney from the grate, upwards. It has been found by experience that the softer kinds of coal, are the best for small fires, and for cooking in general, as they burn more freely than the harder kinds. With all kinds, however, especial care must be taken, to have provided a supply of dry oak, or hickory wood, bark or charcoal, as, without one or the other of these, always at hand, great inconvenience may be sustained. Pine wood, cedar, or chips, are of little, or no use, to kindle the coal. There is an advantage in keeping coals upon a flooring of boards or brick, so as to prevent their being mixed with earth, a very small quantity of which will injure the fire: and coal, loaded by hand, is preferable for grates, to that moved with the shovel, as the fine stuff, is also injurious to a grate fire, though it may be advanta geously used in a close stove.

Both parlour and kitchen grates, upon the plans above mentioned, have been found to answer so fully, that the writer of these notes, has made no J.V. provision for a wood fire, in his house.

11th Mo., 1, 1826.

AGRICULTURE.

MARYLAND AGRICULTURAL SOCIETY.

The Board of Trustees of the Maryland Agricultural Society met on Thursday, 7th Dec. 1826, at

F .- Guard iron, to be placed above the fire, for the residence of Mr. James Swann-present, J. B. Morris, B. W. Hall, D. Williamson, Jr., James Carroll, Jr., N. M. Bosley, James Swann, S. W. Smith, J. Cox, treasurer, and J. S. Skinner, corresponding

It was resolved-That Mr. Skinner, Mr. Carroll The grate is one foot six inches wide, nine inches and Mr Smith be a committee to prepare a list of judges in each county of the state to receive propohearth, the bars are three quarters of an inch in sals for the premiums offered for farms, and to rea half: the bottom bars are half an inch thick, and shall be the further duty of said committee to prean inch apart. The front bars are of square iron, pare a letter of advice to said judges, as to their

> Resolved, That the President, Treasurer, Secre taries, and Trustees do forthwith commence their For the best thorough bred brood Mare. cullections, and that they each be required to pay For the best brood Mare adapted to the sadinto the hands of the Treasurer at least the sum of

The Board then proceeded to the consideration of the scheme of premiums for the next Cattle Show, For the best brood Mare adapted to slow The main flue is five inches and a half wide, and which was reported by a committee in September last; and having made some alterations therein, Specimens of the stock of all the brood Mares

Resolved, That the scheme of premiums for the next Cattle Show be published in the American Farmer; and that the Editors of the several newspapers in the state of Maryland and District of Columbia be requested by the Corresponding Sccretary, on behalf of this Board, to publish the same in

List of Premiums to be distributed in 1827.

FARMS.

which shall appear to have been cultivated, with the greatest economy and nett profit, consistently with its permanent improvement; reference being had to its natural advantages as to soil, situa-\$50 00 tion, &c.,

above,

CROPS.

For the best 10 contiguous acres of Wheat, to be not less than 30 bushels per acre, For the best t0 contiguous acres of Indian Corn, yield not less than 60 bushels per For the best 10 contiguous acres of Rye,

vield not less than 30 bushels per acre, For the best 5 contiguous acres of Hay, timothy, clover, rve or orchard grass, or any of the above mixed-weight to be ascertained at least one month after cutting,

For the best 5 contiguous acres of Wheat, yield not less than 30 bushels per acre,

the best 5 contiguous acres of Indian Corn, yield not less than 60 bushels per

For the best 5 contiguous acres of Rye, yield not less than 30 bushels per acre

For the best 2 contiguous acres of Hay, as above,

For the best crop of Tobacco, not less than 5 hogsheads, highest price,

For the second best crop of Tobacco, as

To the person who shall raise the greatest quantity of Seed Cotton in this state, For the best acre of Potatoes, not less than 200 bushels.

To the proprietor of the Apple Orchard, consisting of not less than 200 trees, which shall evince the most judicious management.

For the most successful experiment in waterwretting, or otherwise preparing Flax or Hemp; the quantity to be not less than

			The second second
50 lbs. dressed-the	whole	process to	be
stated and a sample	to be	produced,	10

HORSES AND MARES.

For the best thorough bred Stallion, pedigree properly authenticated to be produced, and left with the Society for publication,

For the hest Stallion adapted to get stock for the saddle. 15 00 For the best Stallion adapted to get stock for quick draft, 15 00

For the hest Stallion adapted to get stock for slow draft. 15 00

dle. 10 00 For the best brood Mare adapted to quick

draft. 10 00 draft, 10 00

to be exhibited.

ASSES AND MULES.

For the best Jack, 20 00 For the best Jennet, 10 00 For the best pair of well broke Mules, raised in the state, 15 00

For the best mule Colt, by the side of its dam, 5 00

NEAT GATTLE.

For the best Bull over 2 years old, full blood

Improved Durham Short Horns, 15 00 For the hest Bull over 2 years old, full blood Devon, 15 00 For the best Bull over 2 years old, of any other breed, 15 00 For the best Bull under 2 years old, of any breed, 10 00 For the best milch Cow, 20 00 30 00 For the second best ditto, 15 00 For the third best ditto, 10 00 For the best Heifer of any breed, 15 00 For the second best ditto, 10 00 For the best pair of well broke Oxen, 10 00

SWINE.

For the 5 best grass fed Bullocks,

For the 5 second best ditto,

For the best Boar over 1 year of age, 10 00 For the best Boar under 1 year of age, 5 00 For the best breeding Sow, 10 00 For the best sow Pig. 5 00

SHEEP AND WOOL,

For the best fine woolled Ram, 15 00 For the best pair of fine woolled Ewes, 10 00 For the best Southdown Ram, 15 00 For the best pair of Southdown Ewes, For the best Dishley Ram, 10 00 15 00 For the best pair of Dishley Ewes, 10 00 10 00 For the Best Ram, of any other breed than

the foregoing, 00 For the best pair of Ewes, of any other breed 10 than the foregoing,

10 00

10 00

10 00

10 00

20 00 To the Farmer whose tlock at the last shearing yielded the greatest average weight of Wool, the flock to consist of not less than 20; the wool of the whole to be weighed, being first cleansed of tags and filth-if fine wool,

As above-coarse wool, To the Farmer who shall have raised, the last season previous to the exhibition, the greatest number of Lambs, in proportion to the number of ewes, (not less than

For the best specimen of shearing, (on the ground,)

10 00 5 00

^{*} It was made by Stephen P. Morris, corner of Third and Walnut-streets, and put up by Raper Smith, Arch, near Fifth-street.

DOMESTIC MANUFACTURES.

For the best piece of Carpeting, not less than 20 yards, the wool whereof to be raised and spun on the farm of the candidate, For the best piece of Kersey, adapted to la-

bourers, not less than 20 yards, as before, For the best piece of Shirting of any materials, not less than 20 yards,

For the best piece 8-4 linen Diaper, not less than 15 yards,

For the best hearth Rug,

For the second best hearth Rug,

For the best and handsomest piece 10-4 woollen Counterpanes,

For the second best do. do.

For the best pair knit woollen Hose, full size, 2 00

For the second best do. do. For the best pair cotton Hose, full size,

For the secund hest do. do. For the best pair knit thread Hose, full size,

For the second best do. do. To the Spinners of the greatest weight of cotton, wool, or flax, in five hours; for each article, \$3,

IMPLEMENTS OF HUSBANDRY.

For the best agricultural Machine, that may be considered new, and as deserving the patronage of the Society,

FERMENTED LIQUORS.

For the sample of the best Cider, the pure

juice of the apple,
For the sample of the best domestic Wine, of the pure juice of the grape,

BUTTER AND CHEESE.

For the specimen of the best fresh Butter, For the specimen of the hest preserved Butter. 3 months old,

For the specimen of the best Cheese, made in Maryland,

PLOUGHING.

For the best Ploughing by three horses or mules.

For the best Ploughing by two horses, mules, or oxen.

10 00

To each of the successful Ploughmen, 2,

To the person in the State of Maryland or District of Columbia, who shall furnish for publication in the American Farmer, the best account of the whole process of raising Silk, which account shall be founded on actual experiment within said State or District, and shall be accompanied by a specimen of the Silk,

AGRICULTURAL SOCIETY OF THE VAL LEY

The Trustees of the Agricultural Society of the Val lcy, who constitute a committee for the examination of farms offered for premiums, respectfully

REPORT:

That in accordance with their duty, they obeyed a call from two members of the society, Mr. David and in our climate a few fields only on a farm are to a considerable amount; and that all his improve-Timberlake and Bushrod Taylor, E.q. and on the 27th and 28th of October visited their respective farms for the purpose of investigating their relative claims upon your society for the premium offered. They have examined as directed, in reference to, his land would not bring more than one-third what with which they have bestowed praise. 1st, farm buildings; 2d, yards and manures; 3d, it now yields, which is an average of 15 bushels of fences and general divisions; 4th, orchard and garden fruit; 5th, live stock; and 6th, implements of husbandry; and are pleased to find, that while dis covering some things they were compelled to censure, they found much worthy of their highest commendation. They therefore measure out to the he exhibited before another committee for premi- ful acquiescence of the other thriving competitors.

which originally were exceedingly rough and unpro- render Mr. Taylor an object of just praise.

ductive; but by his laborious exertion, persevering! their unfarminglike appearance; and by crops of to Mr. Timberlake's management: this they consider clover, deep ploughing, &c. have been made to an act of justice to him, and an encouragement to yield him a bountiful increase. Land which twenty similar exertions on the part of others. They have years since was scarcely considered worthy of cul- already observed that they derived no pleasure from tivation, now yields an average of twelve or fifteen the examination of his stock; this consideration, tobushels of wheat. His fencing is not all of a chargether with the unfinished state of his improveacter your committee could have desired seeing; but ments, would, in their opinion, have rendered it imwe think we saw evidences of an intention to inclose proper at this time to award to him a premium for the whole farm with stone, and Mr. Timberlake the best managed farm. There are some considera-5 00 4 00 gives that as the reason why he does not make new tions, however, connected with this inquiry, which rails, and improve the fencing alluded to. Indeed they conceive important to be presented to the pubyour committee could wish that they had discover-ed the same system elsewhere that they did in the farm containing about 524½ acres. He commenced improvement of the fencing. The determination of his agricultural labours where he now resides in the Mr. l'imberlake to make all his inclosures of a per-year 1805. His original purchase included 340 3 00 1 00 manent kind, and to save his wood for those who acres-being rather more than one half of the tract 2 00 come after him, deserves the praise of the living, which he now holds—the rest has been purchased and will secure to him the gratitude of posterity, by him at different periods, from the profits of his 2 00 Mr. Timberlake has this year built upon his farm agriculture, and affords an honourable evidence of two hundred and seventy rods of stone fencing, the zeal, industry and fidelity with which he must which we think will probably entitle him to the premium of fifteen dollars offered by the society for the greatest quantity of permanent fencing. This question, however, will be decided by the committed labour employed in its construction, appear to have tee appointed to examine the certificates from com-petitors. The crop of corn which Mr. Timberlake plies to his barn, stables, and servant's houses, most 10 00 has this year raised upon a field of about sixty acres, of which consist of the same lasting material. He is a splendid exhibition of his great success as a has bestowed upon a farm naturally destitute of cropper, and seems with other things to convince water, an abundant supply, by digging two copious your committee that this part of his character as a and never failing wells. But the principal merit 10 00 farmer is unassailable. In relation to Mr. Timberlake's stock (with the exception of his sheep, which are at least respectable,) your committee will in a cessful efforts for the improvement of the soil itself. few words say, it is such as they derived neither Such was the miserable system of husbandry pur-10 00 pleasure nor benefit from examining.

In speaking of the other competitor we will pre-8 00 sent an extract from our report made at the meeting in November last. "The committee had got but an 8 00 imperfect view of Mr. Taylor's farm before they discovered sufficient assurances that a system of management existed. In approaching Mr. Taylor's the present condition of his estate, and that which it house, you pass through the centre of his farm, and leave three square fields on the right, the same ing to this mode of judging, the comparison appears number on the left, presenting the gentle undulation so desirable in a farm where the lands are lia- lake. An immense quantity of stone has been colble to baking. Around these fields there is the lected from his fields, and applied to the construcmost uniformly good fencing that your committee tion of fences and useful buildings. The happiest have ever seen in Frederick, and at the corner of results have thus been effected, not only in furnish-each an admirable and lasting gate. These fences ing useful and durable enclosures, but in divesting are made of substantial locust posts, well pinned the soil itself of those obstructions which must ever together at top, and placed in pairs alternately fif teen inches from a straight line, so as to form, when obvious, too, from the general aspect of this farm, it is completed, a worm of double that distance $(2\frac{1}{2}]$ that the application of manure has not been neglectfeet.) The rails are laid upon a stone foundation, ed. Whatever may have been its productions unand in every respect the fencing is such as particularly pleased the committee. When your committees that Mr. Taylor's farm is laid off in the When it is considered that Mr. Timberlake's forwheat and 30 of corn."

Your committee were somewhat at a loss in decompetitors such as duty orders and justice calls for. Mr. Timberlake's larm is laid off into twelve fields. They are such as would do credit to any man, and

Your committee will not close this report withand never tiring industry, have almost entirely lost out adding some further observations in reference which your committee are disposed to award to Mr. Timberlake, is to be found in his constant and sucsued prior to Mr. l'imberlake's coming in possession, that a portion of the land was thrown out as unworthy of cultivation, and the rest covered with hmestone breakers.

There is no better criterion by which to judge of the merits of a farmer, than a comparison between presented when he took possession of it. Accordto be in every respect favourable to Mr. Timberbe an insuperable bar to successful cultivation. It is

northern style, they wish to be understood as ex- tune was laid in small beginnings; that he has raispressing their approbation. His plan of dividing a ed a numerous family, and expended a considerable farm of t65 acres of cleared land into three lots of sum in settling them in life; that he was seriously 10 acres, and six fields of 221 acres each, they high- injured about seven years ago by fire, which conly approve of. Because they believe with our soil sumed several outbuildings, with grain, horses, &c. totally inconsistent with an improving rotation. Mr ments and acquisitions have been made during a Taylor states, and his declaration is corroborated space including the embargo, the war, and these latby his neighbours, that when he took possession of ter years equally inauspicious to agricultural suchis farm, in the year 1822, the larger proportion of cess,-your committee are satisfied of the propriety

After duly appreciating the claims of each competitor, your committee have, by a unanimous vote, awarded the premium to Bushrod Taylor: and ciding between, but rather incline to the belief that while they confidently hope it will meet the appro-Mr. Timberlake's sheep are superior. But Mr. bation of all others concerned, they have every rea-Taylor's work horses and colts, (some of which will son to believe their decision will receive the cheer-

By order of the members,

WM. M. BARTON, Chairman,

HORTICULTURE.

(From the Technical Repository.)

OBSERVATIONS ON THE CULTURE OF SILK.

By the late Archibald Stephenson, Esq., of Mongreenan, in Aurshire.

(Continued from page 302.)

You must not be too hasty in putting up the brushwood on the baskets on the stage for the worms to mount. This ought not to be done till you observe a good many of your worms offering to mount, because the brushwood keeps the worms too close and warm, and exposes them to the danger of that disorder which the French call the touff which is very fatal to the worms, and which does not seize them till they are just ready to mount, then they are perfectly full, and ready to mount, of the branches, which threads are to serve to supthey are rendered feeble by too great heat, and the port and hold up their cocoons in their proper poise. silk fairly chokes them, so that a great deal of fresh air becomes more particularly necessary for theu ling the branches, the worm finds, when he comes rest, which become also infected, and so the whole at this time than at any other. For this reason it to work on the cocoon, that by the loss of that which remained in the cabins are often entirely is even thought to be advisable not to put up your thread the cocoon has lost its poise, by which lost. brushwood until you have seen a cocoon fairly made means, as it does not remain steady, he cannot upon the stage. At any rate you can have some of your large baskets (of which you should have an ample provision,) ready dressed with brushwood, into which you can from time to time, as you ob serve them, put such of your worms as you find fully ripe for mounting. Besides, when you see a whole parcel ready to mount, you have only to take the basket which contains them out of its place, and put up one of those which is already dressed with the brushwood, by which means you can put already said the worm attaches to the different but more particularly their heads being perfectly your worms directly into the little cabins prepared branches, upon his first beginning to work, are like-transparent, as before mentioned. The other for them, which will render your work much easier wise sometimes broke by another worm working in worms, which are not ripe, they leave in the basket, than it would be otherwise, and make it less hurrying. The basket thus emptied of the worms should consequences above mentioned, though this last is they become ripe in their turns, when they are conbe instantly dressed with brushwood, to be in readiness for the next parcel that shall be ready for mounting. Not a minute is to be lost when the worms are fully ripe, so that a number of these additional prepared baskets are of the utmost consequence at this time.

In preparing the little cabins for the worms, you must make choice of such small brushwood as is place for them. In placing your brushwood, you sugar loaf, in which they will make their cocoons must order it so that the bottom parts shall stand as extremely well. close to one another as possible, that the worms in

When you put up the brushwood between two sound. baskets, that is, when there is one basket placed two baskets; then resting the bettom part upon the undermost, you bend the top in a curve downwards either entirely to one side or to both, as the bushy ness of the brushwood will allow of it. The ranges such a manner, that the contents of a whole basket France, I do not by any means take it upon me to

are made across the breadth of the basket, at the shall all of them be ready to mount at the same indistance of about eighteen or twenty inches from stant. The consequence then is, that those which each other, so that you may easily put in your hand are ripe mount directly, and those which are not from one side to the other, to enable you to clean ripe remain in their cabins, and must have food the intervals from time to time from the litter, as given to them till such time as they are ready to you shall find it necessary; which ought to be done mount in their turns, during which time the litter at least once in twenty-four hours after the bushes must be changed frequently to prevent corruptions: are put up, and even twice if you can find time for but what is worst of all, the worms which are it. The bushes are placed in such manner as to mounted on the brushwood, before beginning to form with their heads little arches betwixt each shut themselves up entirely in their cocoons, disrow of the branches. By placing the bushes as charge a quantity of liquid matter, which falls upon above, they stand erect and firm, because they press the worms below in the cabins, and wets and dirties equally upon the undermost as well as on the upper them prodigiously; and that glutinous liquor drying

them by handling or touching the brushwood, be-mount, as well as to make their cocoons. The

an accident which happens but very seldom.

without mounting, notwithstanding they are ripe, means you can change them with ease, and they you must be careful from time to time to place upon are take against being wet with that glutinous liquor the brushwood, which is ranged at the two ends above mentioned, which from repeated experience and along the sides of the stage. There are always has be, n found to have such pernicious and destruc-some of the worms which are lazy, or have not tive consequences. One may allege that this last strength enough to mount on the branches, which, practice occasions an additional trouble; but the bushy at the tops, as already mentioned; and in ar- however, are strong enough to make good co- answer is obvious, that by this method a great numranging them you must internix the tops of them coons when they are placed where they can make ber of woms are preserved, which are utterly lost with each other, which will render them thicker in them, without the fatigue of mounting the brush- by following the other practice of putting the worms the heads, but taking care always to leave little wood. Those which are so unlucky as to tumble of a whole basket at once into the cabins; and conopenings between the twigs, so as the passage for from the brushwood, should also be placed with the sequently the quantity of silk produced is considerathe worms may not be stopped, which is attended other weak worms, because the fall generally di-with this advantage, that it affords a great many minishes their strength greatly; and those which ditional trouble tenfold. little places proper for the worms to form their cocouns in. When the heads of the brushwood are
too thin, the worms find themselves at a loss to fix

attach the threads of silk to keep their cocoons cabins, that the middle may be well furnished with theniselves, and spend a great deal of their strength steady. You may also place some of the weak worms before you place any at the sides. Should in ranging from branch to branch, to find a proper worms in papers, made up in the form of a cone or you begin first at the sides, or outward ends of the

Great attention must also be paid to visit caregroping about may every where find bushes to eling fully, from time to time, all the different cabins, in are mounting on the sides, in reaching in with your to. In using many kinds of brushwood, where the order to remove immediately all diseased and dead hand towards the middle. tops are very bushy, this will of course put the worms; because the last, if left, will presently stink bottoms at a distance from each other. But these and occasion a bad smell in the room, which would that during the two first ages of the worms my vacancies you must fill up with little twigs, for the particularly annoy the worms which are at work in purpose above mentioned; to wit, that the worms making their cocoons in the same cabin; and the system, to keep the windows of the room shut; but diseased ones would inject the others which are when once the second age was over, I injured them

over the head of another, as is always the case on the worms of the same basket are ripe, and that day, and increasing the time of the open windows the stage, you have only to cut the branches of an they are wandering about in quest of the brush equal length with one another, but about eight or wood, the common practice, has been to place the day and night, particularly from the time of their nine inches longer than the distance betwist the whole worms of that basket at once into the cabins getting over their fourth malady until they complet-

asket.

and hardening upon their skins, prevents their perwhen the worms are mounted on the brushwood, spiration, and deprives them of that pliancy and care must be taken not to suffer any body to disturb agility which are so requisite to enable them to cause when they begin to work, their first opera-consequence often is, that the worms thus wet with If any one of these silk threads is broke by band- worms bursting, the contagion is spread over the

Some few people, who are more attentive, and work with advantage, so as to finish his cocoon pro-perly. Disappointed by this means of continuing above method, follow a different practice. They his work, he pierces the cocoon, quits it altogether, have the patience to pick out the worms, one by and throws out his silk at random wherever he one, from time to time, as they observe them to be goes, by which means his silk is wholly lost, as is ripe, which they then place in the cabins, and the worm also, as he finds no place to lodge in with which never fail to mount immediately, when they propriety, in order to prepare for his last change of are properly chosen; that is, when the person who state when he is to come out a butterfly.

Some of the threads of silk, which it has been of muturity, which discovers itself by their bodies, gathers them is a proper judge of their real point his neighbourhood, which is attended with the fatal and give them their food in the usual manner, till accident which happens but very seldom. Such of your worms as you find loiter below, the cabins as they come to maturity. By this

In putting the ripe worms into the cabins, take cabins, you will find it extremely difficult to supply the middle of the cabins with worms, without dis-turbing and even destroying some of those which

I shall here take an opportunity of mentioning, practice always was, agreeably to Mons. Marteloy's by degrees to the fresh air, by opening the windows When it is observed that a great proportion of at first for a couple of hours in the middle of the from day to day, till at last I kept them always open

say that it is advisable to pursue the same method in Britain, as the difference of climate is great. On the contrary, I should incline to think, that in England the windows should always be kept shut during the night; but when once the second age is face, and thence called sattiny, should also be put a nail, until such time as the butterflies come out. over, that it would be proper to habituate the by themselves, as they form the second sort of silk. worms gradually to the fresh air during the day; The double cocoons form the coarsest silk of the more particularly after their getting over their whole. fourth malady, when it is of the greatest consequence to them: but even then, in case of cold wet side of the cocoons, must be carefully taken off, beweather, I should think it advisable to shut the cause the better the cocoons are cleared from that and when the butterflies come out, you place them windows occasionally during the day. In short, in outer silk, the better they play in the basin, and of upon a piece of clean woollen cloth, that is perfectthis article, a man's conduct must be regulated by course the better the silk will wind off. prudence and good sense, in which his experience will greatly assist him.

in a great measure, he attributed his success.

days, throwing away all the rest. He likewise made keeping the cocoons of each day apart. it a rule, upon 'heir passin, through their different maladics, to take only the forward worms, throwing males, you must employ the males of the preceding destroying a great part of them away regularly all those which remain long in get day a second time, that you may not lose your suting over their maladies; and he gave the following pernumerary females. But this is only to be done reason for his continuing to follow this plan; name-upon an urgent case of this kind, because it is greatly them, that is the best time for doing it, because the ly, that from many years' experience, he said he preferable to eause the males to serve only once, if silk at that time winds off with much greater ease had found, that those worms which are hatched you can calculate so as to have always an equal than afterwards But as that is found to be imposafter the third day always turn out to be weakly, number of both sexes for copulation. and are tedious in all their operations. For the ger in getting over their maladies, which he said and not quite round. was owing to their weakness, or to their being infected in some measure with some disease, which them off carefully, especially if there are any dead generally carried them off before they could make worms amongst them, which presently corrupt; be- pened to be a little hotter than was proper, the silk their cocoons; or if they did get the length to make cause such of the cocoons as touch these dead their cocoons, these last he maintained were so light worms are spoiled by them, as they contract by that that they were not equal in value to the expense of touch gluiness from the dead worms, which hinders the leaves which these worms will eat during their the silk from winding off properly from the cocoon, all hurt the silk, and they succeeded; so that the grande fraize. At getting over their different mala- The best manner to know the good from the bad dies, he saved only such as came away the first two cocoons, is to press them at the two ends with your days, throwing away all that were not ready at the fingers. If they resist well that pressure, and ap-I had myself made upon the silk worm, I thought coons are certainly good. this gentleman had a great deal of reason upon his side; but, as in every thing in relation to this cul fully by experiment, I firmly resolved to submit his others the best manner of knowing the good ones. plan to that test. I was, however, disappointed in fulfilling my intention in that respect, by my having been obliged to return to Britain upon business, before the next season of the silk culture came round. canvassed by experiment.

III The cocoons should be allowed to remain upon the brushwood for six or seven days after the

all the weak cocoons, and such as are double: those

All the floss, or loose silk which is round the out-

In clearing off the floss silk from the cocoons, when taken down from the branches, it is customa-

The double cocoons are to be distinguished by besame reason he rejected all those worms which lin- ing much thicker than the others, generally broad,

In taking the cocoons off the brushwood, pick close of the second day. From what observations pear hard and firm betwixt your fingers, the co-

last of the worms of that particular parcel are as much of the skin of the cocoon as is sufficient to door which opens above the entrance for the fire mounted.

as much of the skin of the cocoon as is sufficient to door which opens above the entrance for the fire mounted.

After the cocoons are taken down, they should die of the cocoon, to leave the two ends of it Iree. be assorted according to their colours, setting apart as you cannot be certain at which of the ends the insect will pierce the cocoon. This being done, you of each colour, which have a shine upon their sur- hang up the cocoons against the wall of the room by

> At putting the cocoons upon the thread, in order to prepare them for breeding, be at the pains to place a male and female cocoon alternately upon the thread, that they may be near each other for copulation, when they come to pierce the cocoon; ly smooth, having no nap or pile upon it, which

may be hung upon the back of a chair.

The male is easily to be distinguished from the Upon this article of hatching the worms, it has ry to make choice of those which are judged to be female, by his body being more slender, and by flutbeen recommended to save the production of the the best for seed, which are put aside by themselves, tering his wings oftener, and with a great deal more first four days, as I observed this to be the general and afterwards from the whole of those to pick out force than the female. When they have been about practice in France: but I must mention, that having in pairs such as are judged best for the purpose; met with a French gentleman at Montauban, who I taking care in this last choice to pick out an equal understood had dedicated much of his attention to number of males and females, as far as one can sufficiently impregnated. The female will then the culture of silk, and in which I was assured he judge of the different sexes by the cocoons. In proceed to lay her eggs upon the cloth, to which had been particularly successful, I took the liberty, doing this, care must be taken to keep the cocoons they will closely adhere, and upon which you let with a view to gain information, to request of him of the same day's mounting always separate by the eggs remain till about a month before the usual to favour me with an account of his method of ma themselves, that the butterflies may pierce the co-time for hatching, when they are to be taken from nagement, with which he politely complied. By the coons at the same time. If the good cocoons taken the cloth, which is generally done by means of a account I received from him, I found that the ma from the whole are all first mixed together, and thin piece of copper coin, which in France passes terial difference betwixt this gentleman's manage- from this general heap the cocoons are afterwards for a penny, (un sol murque,) and which is found ment and the general practice, consisted in the tol- picked out in pairs for breeding, the consequence perfectly to answer the purpose. The cloth upon lowing particulars. He told me, that having long will be, that there will be set aside the cocoons of which the eggs are laid is folded up lightly, and observed that the worms which were first hatched worms that have mounted the brushwood upon dif- kept till the proper season in a drawer or closet, in turned out always to be more healthy and vigorous ferent days, which of course will have the effect, a dry room, but not too hot. Every female butterthan those which were later in coming out, he had that the hutterflies will pierce the excoons unequal- fly is calculated to produce from three to four hunfor this reason adopted the following plan, which helly; that is, not on the same day, but at times dis-dred eggs. The reason for recommending the eggs had then followed for several years, and to which, tant from each other; so that there will not be an to be taken off the cloth about a month before the equal number of males and females produced at the usual time of hatching is this, that it can then be done If his intention was to raise a quantity of worms same time, which must occasion the loss of a great without the smallest injury to the eggs, which at equal to two onness of eggs, his practice was to put many of the butterflies, and consequently the quan- that time are perfectly hard and firm; but if delayed two ounces and a half of eggs to germinate, and to tity of eggs or seed will fall short of what was in- till the time of hatching, the case becomes greatly save no more than the production of the three first tended, which shows the necessity of precision in altered, because the eggs gradually soften by the approach of the spring, so that they cannot then When you happen to have more females than be taken from the cloth without the evident risk of

> Were it possible to wind off the silk from the other cocoons before the insect naturally pierces sible, two methods have been pursued to destroy the insect in the cocoon, that they may wind off the silk at leisure and with full convenience. The first method which was followed in France for that purpose, was to destroy them by placing the cocoons in baskets, in a baker's oven; but if the oven hapwas by that means scorched, and often very much hurt by it. They therefore tried to kill the insect by the steam of boiling water, which could not at placing them in the oven is now wholly laid aside. The killing of the insect by the steam of boiling water is performed in the following manner:

They build a little furnace of brick, of a kind of oval form; the ground part of which is for holding Though they appear firm upon pressing their the wood or charcoal which they use upon this ocsides with your fingers, they may still not be entire-casion; and to make the fire burn properly, they ture, I uniformly made it a rule to satisfy my mind by good; the pressure at the two ends being of all have a little iron grate in the furnace, upon which they place the wood or charcoal; and over that, at After the cocoons are taken down from the brush- a little distance, they place a little copper cauldron, wood, such of them as are intended for seed must, which they fill with water, and make it boil by with the utmost care, be cleaned from all the floss means of the fire underneath. Above this cauldron or loose silk which is about them, which, if allowed they have another iron grate, upon which they At the same time, as I still continue to regard this to remain, would greatly hinder the butterfly from place the eccouns, in a little open basket composed article as a matter of great importance to that cul getting out of his cell; after which, with a needle of twigs, which is made pretty open between the ture, I would humbly advise, that it should be fully and thread, you must thread the cocoons by the middle, like a string of heads. But in doing this, water have the easier access to the cocoons. To you must take care not to hurt the insect in the co- this cauldron and the grate above it for holding the coon with the needle. You are only to pierce just basket with the cocoons, you have access by a little

of eight minutes, is found effectually to kill the in- off. sects within the cocoons. The basket is then taken coming out of the furnace; they will be all of them she wants to make the thread fine or coarse. These wer with the steam, and they then place another she joins together, and after having put the silk smoke of pit coal would be still worse

Here it is proper to add, that after the insects the cocoons, which is done with great swiftness. have been killed by the steam, as above mentioned, care must be taken to stir about and move the co- hausted, the woman who manages the cocoons in Dear Sir, coon regularly, at least once a day. If this is neg the cauldron or basin, supplies their places from lected, the insects will corrupt, and breed worms time to time with others, taking care while these in the latitude of Maryland, I will place at your in the cocoons, which will destroy the silk. After are winding off to prepare others for keeping up disposal a few observations, as an addition to the the cocoons are taken out of the furnace, and dried a continual supply; and taking care also to obgenerally judicious directions of your correspona little, as before directed, they should be wrapt up serve that the silk winds of regularly from all the dent P. The shade of trees over the house, but in a good thick woollen blanket, to keep in all the cocoons she puts in play together hot steam, and to prevent all access to the exterior air. This is done with a view to stifle any of the other instant amongst the boiling water, in order to on our Atlantic border, where you cannot go twenty insects which may happen to be yet alive, and manage the cocoms properly, she has a basin of feet deep for the springing of water; and a house which, if immediately exposed too much to the open cold water at hand, into which she dips her fingers eighteen feet square in the clear, and nine or ten air, might revive and recover their strength. They are left covered up in that manner with the blanket But in spite of her best care, a woman who works is an essential point to prevent, as far as possible, for five or six hours together; after which they are any time at this management, finds her fingers at all contact of the external air, especially of the to be taken out of the basket, and spread out upon least so affected by the influence of the boiling water, warm season, to the ice. a table; and are afterwards to he stirred, and moved that they are for some time in such a state she has about regularly every day, as directed above. And scarce any feeling with them; but this afterwards in the centre of the floor, sunk a little deeper than you then assort the cocoons according to their dif goes off gradually. ferent colours, of which they have three sorts in a greenish colour.

they have been kept for some time; upon which account they always wind off the silk as fast as they

The winding off the silk is always performed in count they always wind off the silk as fast as they possibly can; and it is done in the following manner: the open air, generally in some garden, to prevent thatch than straw, and the thicker it is put on the They build a little copper cauldron into a small any accident from the fire, and more particularly to better. the other furnace already described, exactly in the dead worms, which stink prodigiously. For these possible; and while pitting a layer of the large same manner as we do in Britain, at the sides of reasons, this work is not suffered to be performed in cakes, I have all the small ones, and broken bits, duct the threads to the recl. The cauldron above purpose, and burn them together, in order to prementioned, they fill with water, and keep it always boiling with a tire of wood or charcoal; the last, smell. This is done every night regularly, before the boiling water dissolves the gum that is naturally and even sometimes more. about the silk, upon which, as the cocoons are con has got hold of the ends of the silk by it, she takes reel. hold of the silk thread with her hand, puts aside disengages itself with ease from the cocouns; and lows: this she continues to do till she has got away all the floss or outside silk of the cocoons. When she observes she is come to the fine silk, she breaks off and separates the coarse from it, which coarse silk she puts aside. She then applies her brush again of which she sets apart, every line thread by itself, part of an inch. by fixing it to a piece of wood kept near to the furwhole, or at least the greatest part in this manner, air to the fire, 9 inches and # part of an inch.

that when the door above mentioned is shut, the which by that means are in readiness to be thrown steam may be retained within, which, in the space in, to form the thread of silk which is to be wound in the charcoal, for supporting the fire, 72 inches.

out and put aside, to let the cocoons dry, as upon many of the cocoons as she inclines, according as water in which the cocoons are put when they wind basket in the furnace with more cocoons, taking through one of the eyes of two of the pieces of iron care so to keep up the fire, as to have the water in which are placed for conducting the thread to the the cauldron always boiling Charcoal is prefera reel, she fixes the silk thread to the reel; upon ble to wood for fuel upon this occasion, because it which another woman, who attends to manage the has no smoke. The smoke of wood spoils the co-reel, begins to turn it about with her hand, and lour of the silk and takes away from its lustre. The keeps it in motion by applying her foot to the foutboard, and by this means winds off the silk from

As soon as one or more of the cocoons are ex-

France, namely, the white, the yellow, and those of brush before mentioned, great care must be taken been able to discover that the ice made any water When the insects are once killed, the sooner you if the points are large and coarse, the silk will not spiration, and especially if your bottom be sand or wind off the silk from the cocoons the better; be take up fine from the cocoons, but will rise off thick gravel, I am convinced that the bottom logs should cause it can then be done more easily than after and clotty, which will prevent its winding off pro- be hedded in it, and no place be left where air can

furnace of brick, with a fire-place under it, as in prevent any bad effects from the bad smell of the our rivers, for the washing of linen at our bleach-fields, at the end of which they have a large reel, the walls. When the day's work is over, they make the corners, and grout the crevices between the which turns round with the hand, and by a foot a fire of brushwood, into which they throw all the large cakes, and make it all like a piece of solid board, and two or three little pieces of iron at pro- dead insects, which are taken from the bottoms of stone mason work. per distances, with eyes to them, by which to con- the cocoons, opened with a pair of scissors for that however, being preferable on account of its being the work people retire for the evening. As the ma-free from smoke. They then put from 20 to 30 nufacturers of the silk, and merchants who want to after 1 cover with straw, not 15 or 18 inches, but cocoons at once into the boiling water, and, with a sell it, buy up large quantities of the cocoons, some not less than 3 or 4 feet thick-and the thicker the small brush of little twigs, (of heath, for example,) of these people will have from ten to twenty of these better. Let the air circulate freely over it, but nethey keep stirring the cocoons about. The heat of little furnaces going at a time in the same garden,

the brush, and pulls the silk towards her, which of at Montauban, and described above, are as fol

and \$ of an inch.

Length of the stove, 291 inches. Breadth of the stove, 24 mches.

Height of the iron bars for supporting the char-

nace, for that purpose, tilt she has arranged the the stove, for taking out the ashes, and for giving I thus changed the straw, the ice went away faster

Width of the door, or opening, at which you put

This done, she puts together the threads of as in on the top of the stove, for containing the hot off the silk, 20 inches and 4 of an inch.

Width of that basin. 161 inches. Depth of the basin, 33 ioches. Breadth of the rim of the basin, 11 inch. (To be concluded in our next.)

RURAL ECONOMY.

ON ICE HOUSES.

December 2, 1826.

Having had some experience in preserving ice, not so much as to obstruct a good circulation of air, As she is obliged to have her fingers almost every is a point of importance. There are many tracts

I have had what is called a dry well, (i. e., a hole the common bottom of the pit,, in my ice house, Here it must be observed, that in forming the and have seen them in others; but I have never to have the points of it exceedingly small; because into the receptacles. It shrinks and wastes by per-

insignate itself under the ice.

The ice should certainly be put away as solid as

I let no straw or litter of any kind come near the ver come near the body of ice. I would keep it 20 feet off, if I could I look to the house now and As the whole of the silk cannot be entirely got then, and from the middle to the last of March, the tinually touched and tossed, from side to side, off by the reel, what remains upon the dead insect ice will begin to shrink from the side logs; and it amongst the water by the little brush, the ends of is put aside, with the coarse part of the silk, which will shrink regularly and with a smooth surface. I the silk attach themselves to the brush. When the is taken from the cocoons in the beginning, till you then immediately stuff in dry, cool straw, and stop woman who manages the brush, perceives that she meet with the fine thread which is proper for the out the air. When I used to put the straw on the has got hold of the ends of the silk by it, she takes reel. The dimensions of the stove and basin made use shrink, I would find this side straw damp and disagreeable, and having got mixed in with the ice as packed, I could never get it out clean, and the sides Height of the stove from the ground, 22 inches of the ice melted into irregular holes, and air holes, and then it went faster. But now if the strass I stuff into the first regular shrinking get damp, all I thus stuff in I can get out, and easily replace with dry. I used to cover 18 inches thick and frequenttill she has got hold of the end of the fine silk, all coal from the ground, for holding the fire, 12 and 4 ly change the straw. But the straw from the barn yard, as cool as it can be had dry, is very many de-Width of the door, or opening, at the bottom of grees warmer than the ice-and I found, that when at that time than at any other. I generally have a

tolerable plenty of straw, and I now put a large American Review, in copying the above we take through part of Mitcheldever-wood, by Stratton, stack on at once; and I find while it lays several occasion to add a single suggestion. Were all other Farleyhouse, Nutley, Ilsfield, Herriad-common, and feet thick on the ice, that the straw next the ice is inducements to bestow assiduous attention on the Golden-pots, where he was viewed, and ultimately not near so liable to become damp, as when it was nental culture of females to be overlooked—were put on only 15 or 18 inches thick. It will, however, we to lose sight entirely of the delights of intellect sometimes become damp, especially in a course of twal intercourse with ladies of superior mental enhot, moist weather—and whenever it does, we draw downeuts; still there would be an adequate and out this damp straw, and let the first layer of dry, ample consideration for giving all attainable incool straw come down upon the ice; and if I find
provement to the minds, and, through that, to the the straw getting less than three feet thick, I bring hearts of all the rising female generation, in the sostraw from the barn yard, as dry and cool as I can litary reflection that they are to be, in a material get it, and put on the top of the straw in the house. Since I have adopted the above practices in a house rally adverted to—the instructors for the mind, and only 12 by 18 feet in the clear, and not more than the guardians for the morals of our own sex. Every 9 feet deep, I have preserved ice till its return. In one who considers the powerful agency of the mo-giving these minutes of my experience, I beg you ther in giving culture to the faculties, and a cast to to be assured I mean no disrespect to your corresthe principles of her sons, will at once admit that pondent P., but merely to follow and fill the chinks nothing can more conduce to the formation of good

LADIES' DEPARTMENT.

EDUCATION OF WOMEN.

The expediency of cultivating the intellect of and tainted for life.

man is pretty well settled at the present day, and it

Knowledge is po seems difficult to imagine why that of women should be neglected. If it have similar powers and equal strength, it is as deserving of care, and will repay care as well; if it he weaker and narrower, it needs the more to be strengthened, enlarged and disciry, then every spark of intellectual life in the female Helot should be carefully extinguished; just as birds in a cage are blinded, that they may not look upon the forests and fields, the blue heavens and the green earth, and long to be abroad upon the air, till melancholy should stop their song. But religion and policy alike revolt at this. Man's best happiness, like charity, begins at home, and, like that, is apt to stay there; and home is sure to be just what the wife would make it. Now if it were true that a woman, who can do any thing besides making a pudding or mending a stocking, does these necessary things less willingly and well, than any one who can do nothing else; if it were true, as certainly it is not, that a wife submits to the conjugal authority, just in proportion as she is ignorant and uncultivated, how can the great purpose of marriage, the mutual and reciprocal improvement of the moral and intellectual natures of the sexes, be promoted by a union upon such unequal terms; and what must we think of a husband "assez or gueileusement modeste," to wish of his wife an unquestioning obedience, instead of a sympathy of thought, and taste, and feeling? It is sometimes urged that, if a woman's mind be much enlarged, and her taste refined, she is apt to think differently of the duties of life, to require different pleasures from the rest of her sex: that her feelings leave the channels which the institutions of society have marked for them, and run riot, and bring her usefulness and happiness into danger. Now the plain answer to this is, that these evils happen, not because her reason was cultivated, but because it was not cultivated well; and because the taste and intellect of women generally do not receive due cul-[North Am. Rev.

of day, as to the expediency of such institutions, equipages and ladies on horseback, also, graced the 22 inches thick in January

he left open. You will dispose of them, as you please. and able 1 en, and of course to the prosperity and Respectfully, to happiness, and honour of a nation, than that the happiness, and honour of a nation, than that the greatest care should be bestowed on the mind, and the utmost attention paid to the principles of females. It is to them we are almost exclusively committed, when mind and body are equally plastic, and when both are most liable to be enfechled

Knowledge is power, says the great Lord Bacon, and another philosopher of yet greater renown, ascribes to it the power of commanding happiness.

celestial wisdom calms the mind, And makes the happiness she does not find."

May not then that system and state of things be plined. If the purposes of society and of life would denounced barbarous, under which the fairest porbe promoted by the establishment of domestic slave- tion of God's creation would be shut out from such

SPORTING OLIO.

ON CETTING.

(From the Hunting Alderman.) Bets are the bloc' head's argument, The only logic he can vent, His minor and his major: 'Tis to confess your head a worse Investigator than your purse, To reason with a wager.

The fool who bets too high, will have Temptation to enact the knave And make his friend his martyr: But they who thus would underhand, Entrap, may be themselves trepann'd, And sometimes catch a Tartar.

Some slily make the matter sure, And then propose with look demure, The bet at stake to double; Forgetting that whatever vogue The trick may have, the man's a rogue Whose betting is a bubble.

Tempt not yourself-still less your friends-Where bets begin, attachment ends, And up springs feuds and quarrels. Leave wagers to the black leg tribe, Lest with their practice you imbibe A portion of their morals.

STAG HUNT.

[The wonder, not to say the shame, seems to us before the hounds of C. Shard, Esq, in the preto be, that a question should be raised, at this time before the hounds of Shard, Esq, in the preto be, that a question should be raised, at this time before the hounds of C. Shard, Esq, in the preto before the hounds of C. Shard, Esq, in and such a course of instruction, as are necessary to insure solid culture and various embellishments to the female mind and character. But as there has appeared to be sufficient ground for serious and impressive reflections on it, in a journal so distinguished for elegant and profound learning as is the North such as the left on the right, turning to the left, the heads of the Arkansaw river, which are nearly

MISCELLANEOUS.

CLIMATE OF THE WESTERN AND AT-LANTIC STATES.

MR. SKINNER,

In an article inserted in the 36th number of the present volume of the American Farmer, the writer draws a comparison between the climate of the Western and Atlantic states, much in favour of the former: that this is an erroneous opinion, there is strong proof in the following statements which I have copied for you, from the Village Record, pub-

lished at West Chester, in Pennsylvania

"Major Stoddart, in his Sketches of Louisiana, considers the cold greater in winter on the Mississippi, than in the same latitude on the Atlantic coast. Doctor Drake, of Cincinnati, on the Ohio river, in latitude 39 degrees, after comparing the thermometer kept in that place for nine years, with one kept for the same time in Philadelphia and its vicinity, says, that the mean summer heat of Pennsylvania was 74.6 degrees, and that of Cincinnati for the same time, was 74.1. The average number of days in which the thermometer ascended to 90 and upwards, during the same period, was fourteen each summer at Cincinnati, and the greatest elevation was 98 degrees. Mr. Legaux says, the greatest degree of cold at Spring Mill, on the Schuylkill, was 17.5 below 0; while at the same time, at Cincinnati, the mercury fell 18 below 0. The average degree of cold near Philadophia, for several years, as stated by Mr. Legaux, was 1.8 below zero-at Cincinnati, Mr. Drake states it on a mean of five years, as 2 below zero; - Cincinnati therefore appears to be colder than Philadelphia, although nearly a degree to the south of it. The Doctor mentions, that the thermometer in Kentucky, the southern line of which is in 36 degrees, 30 minutes, fell t44 degrees below 0.

"Mr. Rector says, that the Mississippi at St. Genevieve, in latitude 38, was so firmly covered with ice in a single night, as to bear horses and carriages the ensuing day; and a writer in the Port Fo-lio, of October, 1816, whose letter is dated at Steubenville, in the state of Ohio, says, we had a hard frost on the 8th of June; but very few apples and peaches are left-cherries, plums and quinces are totally gone. In most of the gardens, even the currants were killed.'

"From these statements it does not appear, that there are any grounds for believing the climate, westward of the mountains, more temperate than on the east side Indeed, reasoning from geographical position, we should think the cold must be greater in the same parallel of latitude on the west, than on the east side of the Alleghany, when we consider the immense ranges of mountains which extend from the heads of the Mississippi, and unite with the Cordilleras, and whose summits are clothed in perpetual snows. A north-west wind blowing from them. passes over a country as level as the stoppes of Tartary, or the pampas of South America, unbroken by On Monday, 3d April, 1826, for the last time this a tree, and must arrive with its cold undiminished on season, a fine stag was turned out on our race ground, the Mississippi and Ohio; and we should, therefore,

united with some of the waters of the Missouri, says, crops. But they are wrong in including frogs in the thermometer on the 2d of December, fell six the general proscription, since they not only degrees below zero; and the snow was so deep on them no injury, but render them, on the contrary the mountains as to render them perfectly impassa- important services; for they are carnivorous as we ble. This was between the 40th and 4tst degrees of as herbivolous, and greatly prefer insects to vegeta latitude. On the Rio del Norte, in latitude 36, he ble food. The are particularly fond of snails, an says, the snow fell a foot deep on the 6th of March, swallow them even with their shells on, when the and so far south as latitude 33, on the same river, are not too large. If you open a frog, you will fin vegetation only began to appear on the 17th of the his stomach full of insects hurtful to agriculture same month.

order to descend the Arkansaw river, states, that on that dogs do bones, and turkies the shells of nuts. the 28th of Octuber, the river was frozen over, in latitude 371, so as to prevent all possibility of proceeding; and obliged him to leave the canoes which he had made, and course the river by land.

"Mr. Darby, who resided seventeen winters in the Mississippi territory, and in Lower Louisiana. says, that advancing west from the Aileghany mountains, the intensity of the cold increases, and the seasons at St. Louis, are colder than at Cincinnati although half a degree south of it, and turther, that in no region in the world can the seasons be more uncertain than in the prairies of Louisiana, from one extremity to the other; no changes, particularly from heat to cold, are more sudden or more vio lent. He also states, that at Natchez, in latitude 311, the peach is rendered precarious by the late frosts in the spring, and that cotton is often killed late in April. In Opelousas, which is a degree still further south, young peaches, cotton, flowers, and even twigs of oak were destroyed late in April. The cotton was also destroyed by frost on the 26th of September, and at Natchez the general aspect of the country, according to the same writer, from December to March, has as much the appearance of winter as at Pittsburg, and fires are almost as ne-

"The same proportion of cold exists in more northern latitudes; - Michilimackinac being colder than Montreal, which is in the same parallel. Major Swan, of the U.S. army, mentioned, that a frost destroyed the greater part of the vegetables in the gardens of Michilimackinac on the 15th of August, and that the temperature of the air there in midsummer was not unlike a cool March day in Pennsylvania. West of Lake Superior, above the latitude of 46 degrees, the earth a few feet below the surface is frozen throughout the year; and at some stations of the North-western Fur Company, between lat. 50 and 56 degrees, wells, though very necessary, cannot be sunk on account of the frost, which in July was found at the depth of three feet, and continued to where the attempt was abandoned, twenty feet below the surface.

"From these few quotations, I think, sir, that you will probably consider the fact as incontroveruble, that on the west of the Alleghany mountains the cold is more severe than in the same latitude on the east side of them; and my own knowledge of the the discussion with Columella shall cease -and climate of the western states, confirms the authori- hence the "quotations" which had been furnished ties which I have quoted."

I may add to what is above mentioned, that Mr. Birkbeck, in a letter from English Prairie, Illinois, lat. 38 degrees, 24 minutes, dated Feb. 15th, 1818. says, "the Judge and the Bar are now working their way to the next county scat through almost track- any further notice, and being unwilling to trespass less woods, over snow and ice, with the thermometer about zero." And again, "The mercury has once been 12 degrees below zero, and several times part, here. approaching that extreme."

ON THE USEFULNESS OF FROGS IN DE STROYING INSECTS IN GARDENS.

(Extracted from a French periodical work received in exchange for the American Farmer)

"Lieutenant Wilkinson, who parted from Pike, in rather dissolve in their stomachs, in the same wa

[We once before mentioned a fact which wa perhaps viewed as a jest, though not so intendedwe have learned from our navy officers, with per fect conviction of its truth, that in Italy and on th shores of the Mediterranean, turkeys are fattened b feeding them on unbroken English walnuts, which they have the power to digest speedily. "E's to em ploying frogs for the destruction of insects, would not be quite as well to breed land terrapins for the purpose? They probably subsist more exclusively on the insect tribe. How wonderful the arrange ments of Providence, which seems to have create one species of animated existencies merely to sul sist another, and that another-perpetuating the race of each by the same principle; for true it is that

"Not man alone, but all that roam the wood, Or wing the sky, or roll along the flood, Each loves itself, but not itself alone, Each sex desires alike, till two are one."]

CULTIVATION OF TEA IN SPAIN.

(Extracted from the same.)

The cultivation of tea, confined to China for many centuries, begins to spread into other parts of the earth. It was introduced into Brazil twenty years South America and in the southern states of the United States, it will soon become an important article of cultivation and commerce in America, and even in other quarters of the world. The society of Friends, of the country of the kingdom of Valen tia, in Spain, has offered a premium of 300 reals to any one that will raise a crop of 20 pounds of tea rolled and separated, and having the same qualities and flavour as that imported from China. It is likely that the tea-plant would succeed perfectly i some parts of the south of France.

viiid varaidi.

Baltimore, Friday, December 15, 1826.

TAt our suggestion, Curwen has consented that for this number, are omitted.

I have read the reply of Curwen, but do not perceive any argument or fact stated which requires on your indulgence by a strife for the last word, am quite satisfied to close the controversy on my COLUMELLA.

CONTENTS OF THIS NUMBER.

Remarks on the use of Anthracite, and its application to the various purposes of domestic economy-Lis of Premiums to be distributed by the Maryland Agricul-tural Society in 1827—Report of the Agricultural So-ciety of the Valley on Farms—Observations on the Culture of Silk, continued-On tee houses-Education of Women-Poetry, On Betting-Stag Hunt-Chunate of Gardeners wage the same war against frogs as the Western States-On the usefulness of Frogs in dewith moles and all other insects mischievous to their stroying insects-Cultivation of Tea in Spain.

PRICES CITED DESIGN

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SKINNER, Editor, by JOHN D. Toy, corner c Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

LITCHFIELD (CON) AGRICULTURAL SO-CIETY.

The Litchfield County Agricultural Society celemestic manufactures, animals. &c., agreeably to ap- an occasion; and the fixed attention of a crowded austreets were filled with farmers, and other gentle- ed off as brilliant, and its beauties would get a comhad actually commenced, was a team of from fifty to a hundred yoke of oxen, led by a handsome fat ox, bearing the flag of the society, and drawing a car, decorated with choice specimens of the various products of our soil; among which a quantum sufficit of noble fine pumpkins shone conspicuouslyequipage was met on the green by a very large and fancifully decorated car from the west street, drawn by about thirty horses, and exhibiting elegant specimens from the different mechanic shops in the village, together with an individual from each craft, busily engaged in their respective callings This To J. R. Landon, for the 2d best native cow, last exhibition was rew in this place; and as no To Lemuel Hurlbut, for the best two year pains had been spared to render it every thing that could be expected from such a display in a country viltage, the interest it excited among the multitude which at this time thronged the streets, was very powerful. After we had become satisfied with a view of the above mentioned shows, we turned our To Anios Moss, for the best bull ealf, attention to the field, where were to be viewed the For the best lot of calves, not less than four noble horse, the lusty ox, and the fatted calf-not for slaughter, but for breed. The report of the committee on domestic animals, which will be found in this paper will speak better on this subject than we can; and more definitely than we are able to do. By the way, we did not see among the domestic animals a solitary porker, to remind us of tender loins, sausages, and doughnuts-which at such like exhibitions we are very fond of seeing, and—of To Anthony Guernsey, for the best pair of eating in anticipation. We cannot account for the two year old steers, fact that our society does not take a lively interest. To George Jerome, for the 2d best, in this class of domestic animals; for notwithstand. To Col. Marsh, for the best pair of yearling ing all that is said of roast beef, butter and cheese, we doubt whether the whole cook book of George IV. can produce as many good catables out of any To George Buel and others, for a team conone animal, as our good house wives will manufacture from the different parts of a well dressed, fat hog. From the above mentioned field, we next entered the Court Room, where were to have been To Capt Baldwin and others, for the 2d best, exhibited the evidences of the industry of the fair sex, and the skill of our mechanics. On entering the room, our eyes were dazzled with the sight of veils, ribbons, leghorns, shawls, silks, &c. &c -whether of domestic or foreign manufacture, the depo-full blood Devon bull Holkham, but were not offernent saith not-for we dare not ask the fair wearers wnether their white hands handled the warp and the woof, or whether their father's hands purchased for them these fine articles of dress. Surely, said we, as we beheld a solitary piece of flunnel, a few yards of carpeting, and but two bed quilts. Cupid has not visited our county the last season, and Hymen will gain but few new votaries on the approaching Christ mast or if otherwise, some of manua's articles are to be put in requisition to commence house keeping; and carpets, hearth rugs, diaper, linens, and hedquilts, are to made, or bought ready made, after the knot is tied, instead of the good old fashioned way of our grandmothers, who felt poor without a pillow case full of stockings, and a four foot chest full To Oliver S. Wolcott, of Litchfield, for the of linens, &c. We sincerely hope that the next an nual exhibition of the society will excite a much greater interest among the daughters of Litchfield To Lyman Howe, of Goshen, for the best county, and that no female will attend simply to three year old colt,

and admired. From the Court House, we joined the society at the County House, and with the pro- To Benjamin Webster, for the best Boar cession marched to the Episcopal Church, where the services were highly interesting and instructive. The address by S. R. CHILDS, M. D., was every brated their annual meeting for the exhibition of do- thing which could be asked or expected upon such pointment, in this village, on the 11th inst. Our dience-such an assemblage in a city would be puffmen interested in the prosperity of the society, at pliment-proved the interest that was felt in the the "Cotton Planter and Cultivator," I will now dean early hour; and from previous notes of prepara- subject matter of the discourse, and the manner of scribe. Although my cotton, and likewise the crops tion, and the bustle of the morning, we had early its delivery. From the Church, the Society repair assurance that the citizens of the county felt a live ed to S. Deming's dining hall, where a substantial machine this year; and I may also add were the ly interest in an annual Cattle Show and Fair. The dinner was served up to which ample justice was only crops which came up well, owing to the earth first intimation we had that the services of the day speedily done by the hundred and one that sat down being pressed to the seed by the roller, which thus at the table.

Reports of the L. C. A. S.

The COMMITTEE On NEAT CATTLE do award the following premiums, viz.

For the best bull, not under two years old, they old full blood Devon bull,

To Charles Jones, for the 2d best, a half blood Devon,

To Lemuel Hurlbut, for the best milch Cow, a half blood Devon,

old heifer, a 3 4 blood Devon,

To Samuel Guernsey, for the 2d best, a half blood Devon,

To David Wadhams, for the best yearling heifer, a 3-4 blood Devon,

in number, they awarded to Lemuel Hurl-

but, for his lot of 3-4, 7-8, and full blooded Devon calves,

To Benjamin Webster, for the best voke of oxen.

To George Jerome, for the 2d best,

To Samuel W. Baldwin, for the best yoke of three year old steers,

two year old steers,

To Solomon Marsh, for the best fat ox,

taining about sixty yoke of fine oxen, and a cart neatly rigged, with a handsome display of farming utensils, &c.

pair of three year old steers they ever saw, in point of symmetry of form, size, colour, &c., were exhibited by Lemuel Hurlbut They were sired by his ed for a premium.

They would also remark, that a lot of twenty eight head of young Devon cattle, exhibited by Mr. L. Hurlbut, exceeded any thing of the kind ever exhibited at any previous show; and they noticed, with no small degree of pleasure, the great improve ments there has been made in the breed of neat cattle since the commencement of this society, and regular distances, or strews along the drill that at no former exhibition has there been exhibit ed so great a collection of beautiful cattle as at this.

RUSSELL C. ABERNETHY, Chairman,

The COMMITTEE on Horses and other Domestic Animals, award the following premiums, viz.

best Stallion, (having reference to stock,) Rob Roy, by Duroe, a three year old,

see, but purposely to exhibit something to be seen To Oliver S. Wolcott, for the best two year old colt, Gunpowder, by American Eclipse, 4.00 9.00 Pig,

JOHN R. LANDON, Chairman,

MR. SMITH'S COTTON PLANTER.

MR. SKINNER,

The improvements which I have lately made in of several of my neighbours, were put in with the retained what little moisture existed, and prevented the ill effects of the disastrous drought which soon set in-yet the experience derived from this year's practice, has pointed out several defects, which, after much attention, I have fully remedied.

For a few days it performed well; but the fricemblems of Connecticut thanksgiving fare. This have awarded to David Wadhams, for his two year tion of the axle between the hopper and box, soon \$6.00 wore it away so as to become too loose, and thus pass too many seed at once. The box is now dis-4.00 pensed with, and the axle is fixed to the break by cleats, unconnected with the hopper, and so con-4.00 trived that the ashes or plaister used in preparing 3.00 the seed cannot get to the journals, as was the ease

before. 3.00

The sheet iron clapper was soon cut through by the teeth, and the teeth also worn away. The clap-2.00 per is now made of pine, with a batton of hard wood ronning lengthwise, against which the wires 200 play. This will last several years, and when gone 2.00 may be renewed by any carpenter in half an hour.

A difficulty occurred in moving the machine backwards by the wires coming in contact with the clapper, and thus tore it loose from the linen. 4.00 This is remedied by causing the sheave to revolve on the axle when drawn back, but carries the axle 8 00 along with it if moved forward.

The coulter was found to be too light when used in rough land; it is now made entirely of wrought 5.00 and east iron

The Culavators were also too light; they are 400 now entirely of east iron, made strong and heavy, 2.00 with extra points, which can be renewed. With these, as entire new operation is added, which \$.00 makes it a valuable implement of husbandry, to every farmer. It consists in forming the list at one draught, preparatory for planting; thus evidently saving two thirds of the labour, and which it does as well, nay better than is performed in the ordinary way with the plough; besides, being now suffi-8.00 6.00 ciently heavy, the operator can guide it with accu-The Committee would remark, that the finest racy in skinnning off the grass and weeds from the plants when they first come up, breaking the ground within two inches of them on each side.

> Instead of the leather band, which soon became slack and interrupted the operation, a chain of wove wire is now used, which never can slip

> I have also adapted it to plant corn, which it performs equally well, passing three or four seed at once, regularly two feet apart, or at any distance required.

> I have also adapted it to drilling lucerne, turnip, or any other small seed, which it either deposits at

In a word, this machine first forms the list preparatory for corn, cotton, potatoes, or any other crop for which a list is requisite. It then opens the ground, drops the seed in any quantity, and at any distance required; covers it, and rolls it at one ope-When the plants are up, the Cultivators ration are applied so as to clean them of grass and weeds, on both sides at once. This done, they are after-\$6.00 wards changed so as to return the earth to the plants, or hill them from row to row. In each se-5.00 parate operation it performs about eight acres per

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day. In every part it is made strong and durable, of the roots of hops, must be obtained from hops By the last of August, or first of September, the

tor, the price is \$25; for the additional fixtures for

corn and small seeds, \$2

Sinclair & Moore, of Baltimore, are alone authorized by me to construct them; and to prevent the possibility of mistake, they keep an operative seen at any time at their ware room, near Prattstreet wharf.

The machine being now much improved, I advise those who purchased it last spring, to send it to Sinclair & Moore, to be altered as far as practicable according to the present plan, without any charge for patent right. For the information of following directions,

DIRECTIONS.

The land being first broken by the plough, the first operation is to throw up a list preparatory for planting. Remove the hopper, band, axle, and roller, tie up the coverer, and fix the cultivators in the two outside mortices, the mould boards facing cach other. The screw bolts which confined the arms of the roller to the break, serve also to fasten the braces of the cultivators-set the coulter to the proper depth and proceed. After the land is listed, restore the hopper, band, axle and roller. Soak the seed in water, if two or three days the better, and stir in ashes, plaister or lime, until they sepa rate. Then let the machine pass along the list: it drawn by one hurse, he walks on the top-but it is better to apply two, as they pursue the water furrows and carry it more steadily. As you turn, take care to loop up the coverer After the crop is planted, and as soon as the plants begin to break ground remove the courter, hopper, &c .- and fix the cultivators to the inside mortices, the mould boards from each other, and proceed to give the first dressing; here two horses must be used. Fix your attention on the wheels to keep them to the water furrows. This done, as soon as practicable, hill the plants by changing the shares, as in the first instance, when listing: this course is to be repeated until the plants are too high. If you would lessen the quantity of seed passed at once, you have only to shorten the wires, and fill up the space in the throat with a bit

For planting corn, you have to use the corn axle, with the hrush screwed to the front of the hopper; and for small seeds you are to use the tin barrel.

You can regulate the distance by using a larger smaller sheave. FRANCIS H. SMITH. or smaller sheave.

CULTURE OF HOPS.

The following directions for the culture and curing of Hops, are taken from the Transactions of the Agricultural Society of New-York.]

A rich, deep soil, rather inclining to moisture, is, on the whole, the best adapted to the cultivation of hops; but it is observable, that any soil, (stiff clay only excepted,) will suit the growing of hops when properly prepared; and in many parts of Great Britain they use the bog-ground, which is fit for little The ground on which hops are to be planted, should be made rich with that kind of manure best extra trouble in gathering.

The ground on which hope are should be made rich with that kind of manure best extra trouble in gathering.

The ground on which hope are should be should be made rich with that kind of manure best extra trouble in gathering. being ploughed deep and harrowed several times. The hills should be at the distance of six or eight feet from each other, according to the richness of the ground. On ground that is rich, the hills must therefore be furthest apart,

are over, and vegetation begins, sets, or small pieces climate and country.

day. In every part it is made strong and durable, an important consideration when it is to be managed by negroes, and so simple, that are thought the best,* cut off from the main stalk or root, six or eight inches in length. Branch will understand all the fixtures in half an hour.

These improvements have increased the cost of the machine. For the Cotton Planter and Cultivator, the price is \$25; for the additional fixtures for or huds should be left on each set. The sets should the price is \$25; for the additional fixtures for or huds should be left on each set. The sets should the price is \$25; for the additional fixtures for huds should be left on each set. The sets should the price is \$25; for the additional fixtures for huds should be left on each set. The sets should the price is \$25; for the additional fixtures for huds should be left on each set. The sets should the price is \$25; for the additional fixtures for hugs are restricted in the fixture of the fixture in the fixture is a stalk or root, six or eight inches in length. By the last of August, or first of September, the hops will ripen and be fit to gather. This may easily be known by their colour changing, and having a growth, must be sought for. They may easily be known by their colour changing, and having a growth, must be sought for. They may easily be known by their colour changing, and having a growth, must be sought for. They may easily be known by their colour changing, and having a growth proved the provided in the provided ble, if not, they should be wrapped in a cloth, kept in a moist place, excluded from the air. A hole should then be made, large and deep, and filled with under them a bin of equal length, and four may machine with them as a model, and which may be rich mellow earth. The sprouts should be set in this stand on each side to pick at a time. Fair weather earth, with the bud upwards, and the ground press- must be taken to gather hops in, if possible: and open, the uppermost must be left just out of the them, for dew is apt to make them mould. They ground; otherwise, cover it with the earth an inch. should be dried as soon as possible after they are Two or three sets to a pole will be sufficient, and gathered; if not immediately, they must be spread three poles to a hill will be found most productive, on a floor to prevent their changing colour. charge for patent right. For the information of Place one of the poles to the north, the other two the best mode of drying them is with a fire of charcoal, those who may hereafter purchase it, I give the at equal distance, about two feet apart. The sets on a kiln covered with bair cloth, in the manner of are to be placed in the same manner as the poles, and cedar. Their durableness is directly the rebearing the first year, for that would injure them. the hills must be opened, and all the sprouts, or be sufficient for them to lie in that state. suckers, cut off within an inch of the old root, but that must be left entire with the roots that run down; then cover the hills with fine earth and manure. The hops must be kept free from weeds, and the ground mellow, by hoeing often through the season, and hills of earth gradually raised around the OBSERVATIONS ON THE CULTURE OF vines during the summer. The vines must be assisted io running on the poles with woollen yarn, suffering them to run with the sun.

* Of the different kinds of hops, the long white is most esteemed. It yields the greatest quantity, and is most beautiful. The beauty of hops consists in their being of a pale bright green colour. Care must be ta-ken to obtain all of one sort; but if different sorts are used, they must be kept separate in the field; for there is in different kinds of hops a material difference in their time of ripening; and if intermixed, will occasion

frost will permit. On this being well done, depends in a great measure the success of the crop. It is thought by many to be the best method to manure the hop yard in the fall, and cover the hills entirely with manure; e ground. On ground that is rich, the hills must asserting, with other advantages, that this prevents the erefore be furthest apart.

At the first opening of the spring, when the frosts truth of this may be determined by experiments in our

be put into the ground as soon as taken up, if possi-cut the vines three feet from the ground, pull up ed close round them. If the buds have begun to hops ought not to be gathered when the dew is on a malt kiln. The fire must be kept steady and equal, that they may the easier climb. The length of the and the hops stirred gently. Great attention is nepoles may be from fourteen to eighteen feet, according as the soil is for richness. The poles should be uniformly and sufficiently dried; if too much dried, placed inclining towards each other, so as to meet the top, where they may be tied. This is contrary to the European method, but will be found to little dried, they will lose their colour and flatrary to the European method, but will be found to little dried, they will lose their colour and flatrary to the European method, but will be found to little dried, they will lose their colour and flatrary to the European method, but will be found to little dried, they will lose their colour and flatrary to the European method, but will be found to little dried, they will lose their colour and flatrary to the European method, but will be found to little dried, they will lose their colour and flatrary to the European method, but will be found to little dried, they will lose their colour and flatrary to the European method, but will be found to little dried, they will lose their colour and flatrary to the European method, but will be found to little dried, they will lose their colour and flatrary to the European method, but will be found to little dried, they will lose their colour and flatrary to the European method, but will be found to little dried, they will lose their colour and flatrary to the European method, but will be found to little dried, they will lose their colour and flatrary to the European method to little dried, they will lose their colour and flatrary to the European method to little dried, they will lose their colour and flatrary to the European method to little dried, they will lose their colour and flatrary to the European method to little dried, they will lose their colour and flatrary to the European method to little dried the litt best in America. In this way they will strengthen six inches thick, after it has been moderately warmand support each other, and form so great a defence ed; then a steady fire kept up till the hops are nearagainst the violent gusts of wind to which our clip ly dry, lest the moisture or sweat that the fire has mate is so frequently subject in the months of July raised, should fall back, and change their colour. and August, as to prevent their being blown down. After the hops have been in this situation seven. They will likewise form a three sided pyramid, eight, or nine hours, and have got through sweating, which will have the greatest possible advantage from and when struck with a stick, will leap up, then the sun. It is suggested by experience, that hops throw them into a heap; mix them well, and spread which grow near the ground are the best. Too long them again, and let them remain till they are all poles are not good, and care should be taken that equally dry. While they are in the sweat, it will the vines do not run beyond the poles: twisting off the best not to move them for fear of burning them, their tops will prevent it. The best kinds of wood Slacken the fire when the hops are to be turned, and for poles, are the alder, ash, birch, elm, chestnut, increase it afterwards. Hops are fully dried when their inner stalks break short, and their leaves crisp verse of the order in which they stand, and burning and fall off easily. They will crackle a little when the end put into the ground, will be of service to their seeds are bursting, and then they must be taken preserve them. Hops should not be polled till the from the kiln. Hops that are dried in the sun lose spring of the second year, and then not till they their rich flavour, and if under cover, they are apt have been dressed. All that is necessary for the to ferment and change with the weather, and lose first year, is to keep the hops free from weeds, and their strength. Fire preserves the colour and flathe ground light and mellow, by hoeing often, and vour of the hops, by evaporating the water, and reploughing, if the yard is large enough to require it. taining the oil of the hops. After the hops are taken The vines, when run to the length of four or five from the kiln, they should be laid in a heap to acfeet, should be twisted together to prevent their quire a little moisture, to fit them for bagging. It would be well to exclude them from the air by co-In the months of March or April, of the second year, vering them with blankets. Three or four days will

HORTICULTURE.

(From the Technical Repository.)

SILK,

By the late Archibald Stephenson, Esq., of Mongreenan, in Ayrshire.

(Concluded from page 302.)

Here I might have given the dimensions of the Italian reel for winding off the silk, being the same which is used for that purpose in France; but that becomes unnecessary, as I find that the Society are already in the possession of a model of it I shall therefore proceed to mention sundry particulars which relate to the winding off the silk.

Spring water or rain water, as being soft, is the only proper water to be used in the basin. Drawwell water is altogether improper for this purpose, because it is hard, and does not properly dissolve

the gum which is naturally upon the silk. The water in the basin must be wholly changed

twice a day, it is filled in the morning before setting to work, and the second time immediately before the people go to dinner, as it requires some time to the reel, which may have this farther disadvantage.

the water is too cold.

to the little iron conductors, it is a proof that the silk as it comes from the cocoons may have the water is too hot. If the cocoons will not follow the time requisite to dry, before it comes to be fully in reasons that makes it wind off well. One might be thread, it is a sign that the water is too cold. By contact with that which follows. When the silk attending to these observations, you can easily mathreads eling together, by being too soon brought nage so as to give that degree of heat to the water into contact, the silk is rendered good for nothing.

that is proper for the cocoons.

being put to the trouble and loss of time in chang- perfectly dry before it is taken from the recl. ing the water.

in your addition of cold water by little and little at were in play, each parcel on the opposite side. the degree of heat. When you throw in too much furnace for that purpose; and are taken out of the loose silk from that which is already on the reel end water at a time, so as to alter the requisite de- basin for the following two reasons: first, that they gree of heat, the silk of the conoons which are in may not be mixed with the new cocoons, which are the basin at that time, loses its colour, and grows put into the basin to be prepared for winding, as al-

means diminishes the value of your silk.

you beat too hard, the threads of silk, in place of ration. coming off singly, cling together in lumps, which, the silk, as it will then only answer as waste silk.

that which is winding off, they must not overlap your finger more than an inch; if too long, they of the silk. will not join well, but hang down and occasion a You must be at pains to keep an equal number of lump, which causes the thread to break, as it is cocoons working at each end of the basin, in order the yellow colour, you put into a large copper kettle,

keep the thread wet, to make it slip along more also has the effect to break the thread. In order to them. From time to time they turn the cocoons easily towards the recl. And when the wheel has keep the thread at both sides of an equal size, you upside down with their hands, and so go on trampthread betwixt the basin and two pieces of iron, which makes the thread run the more easily.

moves the wooden regulator, in order to make it lost.

to cause the silk threads upon the reel to cling and proof that the water is too hot. If you cannot catch dry. For that wooden regulator is calculated to the threads of silk with the brush, it is a sign that place the threads in such a manner upon the wheel, as to make them touch one another only obliquely When the cocoons are in play, if they rise often and in as few places as possible at first, that the

The cocoons called sattiny, from their resem-If there should happen to be any sand amongst blance to satin, require only that the water should the water in the basin, the heat makes it rise to the be moderately hot in the basin. The same degree surface, where it fixes itself upon the cocoons. This of heat that is necessary for the fine cocoons, would cut with a knife. For this reason the utmost care the degree of heat necessary for these, by examin-

catch hold of the sand with the coarse silk, to it you judge to be sufficient, the produce of about feetually, and to give it a gloss. which it will immediately cling when it comes in three pounds of cocoons, for example, you take it contact with it. You then drag the brush gently up off, and put another reel in its place, that the work they put more of them into the basin at once than the side of the basin, and thus bring out the sand may not be interrupted. The silk ought to remain of the finest kind. But before putting them into along with it. This operation, several times refor six or eight hours, or even more, if you can the basin, they must be well cleaned from all the peated, cleans your basin of the sand, without your allow it with your convenience, as it ought to be floss, or waste silk, which is on the outside of them,

perfectly pale; which silk, so rendered pale, it is ready uncntioned; secondly, because if these co-said will not take any dye properly, which by that coons, which are already in part wound off, were left in the boiling water till the new ones are pre-In beating the cocoons in the basin with the pared, it would have the effect to prevent the silk brush, you must carry your hand as light as possi from winding off from the cocoons with that des ble, so as just to touch the cocoons slightly. If patch and propriety which is necessary in that ope-

as it prevents its winding off, occasions the loss of from the cocoon, you must take out the bottom of light cocoons, which they judge to be improper for the cocoon containing the insect from the basin and winding off, after the insects have been cut out, as When you take the fine threads to throw them to throw it aside; because, if left in the basin, it will before mentioned; and to these they also add all spoil the water, and consequently destroy the colour the bottoms of the cocoons which had been thrown

then too large to pass through the eye of the little to keep the thread of silk of an equal size. When and cause a person to tramp it with her bare feet, In winding off the silk you must be attentive to silk becomes smaller at that side, of course, which Scotland tramp their linens when they are washing remained any time idle, you must also wet all the must throw in the cocoons, one by one, and never ing them again with their feet. This operation is more than two at a time. If you throw in many continued for nearly two hours together, turning together, for example, four or five at once, it throws them, and giving them a little core fresh water from Be attentive, also, from time to time, to wet with the weight to that side, when the thread immediate- time to time, till it is found that the silk of the cowater the cord, and the little wooden wheel which ly breaks, because by that means the equilibrium is coons separates properly, upon tedding it out with

cound to the right hand for the bit of wife placed on the right; and turn it round to the left hand, for the When you first put the cocoons into the hot stick to each other, by having been brought into piece of wire placed on the left. In mentioning the water, if the silk rises thick upon the brush, it is a contact before the first threads have had time to right and left, I mean the right and left hand of the woman as she sits managing the cocoons in the

The quicker the motion of the wheel is, the better the silk winds off, and the better the ends join to the thread, which is, indeed, one of the great apt to imagine that the rapidity of the motion might overstrain and break the thread, but from constant experience it has been found that the thread never once breaks from the rapidity of the motion; but, on the contrary, that the quicker the motion is, the more advantageous it is for winding the silk.

When you have put the quantity of silk upon the is easily known, because where there is any sand upon the cocoons, it makes the thread break, as if off thick, and what they call bourry You find out clean off all the loose silk with your fingers; after clean off all the loose silk with your tingers; after which you take a little handful of the coarse silk, must be taken to guard against it, by cleaning the basin with the greatest attention. The fear of having sand is one of the reasons for changing the water of the basin at mid-day, and even oftener, if found to be necessary. When they find that there is a little sand, and that they wish to avoid changing the water, and there should only ing the water, on account of the loss of time which they corons for the loss of time which the coarse silk, on the silk comes off thick, you must water, with which you find the just proportion for them. They must not be allowed to is a little sand, and that they wish to avoid changing the water, and there should only that coarse in what manner the silk comes off thick, you must water, with which you find the just proportion for them. They must not be allowed to is a little sand, and that they wish to avoid changing the water, on account of the loss of time which they come the silk with the flat or palm of your hand. After that coarse in the water, on account of the loss of time which they come the silk with the flat or palm of your hand. After the coarse silk, which you take a mule handful of the coarse silk, and after washing it to make it thoroughly clean, and after washing it to make it thoroughly clean, and after washing it to make it thoroughly clean, and after washing it to make it thoroughly clean, and after washing it to make it thoroughly clean, and after washing it to make it thoroughly clean, and after washing it to make it thoroughly clean, and after washing it to make it thoroughly clean, and after washing it to make it thoroughly clean, and after washing it to make it thoroughly clean, and after washing it to make it thoroughly clean, and after washing it to make it thoroughly clean, and after washing it to make it thoroughly clean, and after washing it to make it thoroughly clean, and after washing it to make it thoroughly clean, and after washing it to make it thoroughly clean, and after washing it to make it thoroughly clean, and after washing it to make it thoro that operation requires, as the water must be boil-time. If these circumstances are not attended to, the silk; and you then turn round the reel with all ing before you can go on with the winding; I say, the silk comes off thick, as already mentioned, the velocity in your power, for about eight or ten in this last case, they cover the face of the brush which, in winding, makes the thread break at every minutes, in order to shake off all the water effecall over with a parcel of the coarse silk, which is moment, and not only greatly diminishes the quan-tually; which done, you take off the reel, and put laid aside, and you then put the face of the brush tity of your silk upon the reel, but also considerainto the water, making it reach the bottom of the bly hurts its quality, by rendering it coarser.

When once the reel has the quantity of silk upon spoil the colour. This is done to clean the silk ef-

In preparing the double cocoons for winding off. that they may properly play in the basin. When the cocoons which are first put into the water also must be boiling hot; and as the silk they Take care to keep up your fire under the basin basin are nearly finished, you must cause the wheel yield is of a coarser quality than the other, and has in such a manner, as to secure having the water al- to be stopped; at which time, with a ladle, full of a good deal of the floss silk, or bour upon it, the ways of the same degree of heat, and to throw holes like a drainer, you take out the cocoons which girl who turns the wheel takes the opportunity, while the other woman is preparing the cocoons in a time, so as to make as little odds as possible in They are put into plates kept at the side of the the basin for winding, to clean and pick off the

In winding off the fine silk, there are always two hanks of silk put upon the reel at the same time. But in winding off the silk from the double cocoons, they confine themselves to one hank only at a time

upon the reel.

The next object which occurs, is the method observed by the French, in the preparation of their floss, or waste silk, which they call piloselle; and which they do in the following manner. All the cocoons which have been pierced by the butterflies As soon as you observe that the silk is wound off being collected together, they add to these all the aside from the basin, after winding off their silk.

you have fewer on one side than on the other, the in the same manner as the women in some parts of your fingers; and as, in tramping with the feet, the act properly. If this is neglected, the cord, by In putting the silk thread round the two little edges of the heap of the cocoons will very often being dry, will not turn the regulator as it ought, by pieces of wire, for conducting it to the reel, fixed escape the stroke of the foot, you turn the edges of the heap of the foot, you turn the edges of the heap of the foot, you turn the edges of the heap of the foot, you turn the edges of the heap of the foot, you turn the edges of the heap of the foot, you turn the edges of the heap of the foot, you turn the edges of the heap of the foot, you turn the edges of the heap of the foot, you turn the edges of the heap of the foot, you turn the edges of the heap of the foot, you turn the edges of the heap of the foot, you turn the edges of the heap of the foot, you turn the edges of the heap of the foot, you turn the edges of the heap of the foot, you turn the edges of the heap of the foot, you turn the edges of the heap of the foot, you turn the edges of the heap of the foot, you turn the edges of the foot, you turn the edges of the foot, you turn the edges of the heap of the foot, you turn the edges of the foot, you turn the edges of the heap of the foot, you turn the edges of the foo which means the silk will be placed unequally upon to the little wooden wheel, you must turn the thread into the middle, from time to time, to receive

When you find it properly separated, you carry leaves might, by that means, be discharged before the foregoing observations, with a view to trace out it to the river; put the cocoons into a clean cloth they should be given to the worms; and, indeed, the faul's of that management, and to endeavour, if sort of colour. When you find this to be the case, you spread out the silk to dry by the sun; and when it is thoroughly dry, the operation is completed.

Such waste silk as you wish to have white, is treated in the following manner: you first put the cocoons into a kettle of cold water, in which you let them lie for twenty-four hours; after which you amined by experiments, to have the truth ascertain most improperly into too small bounds: and, thirdly, take a quantity of water, such as you judge to be sufficient for boiling your cocoons, and for covering them properly, which you put into a copper kettle. In this water you dissolve some good soap, giving at the rate of a quarter of a pound of soap for every pound of cocoons you intend to boil; and took the opportunity to put that question to a gen-mortality to these insects. Upon this subject he when the soap is thoroughly dissolved, you tie up your cocoons in a clean cloth, to prevent the silk from running together, and so put them in this manner into the kettle; when you boil them together till you see that the cocoons are grown white, taking care during the time they are upon the fire to keep the cocoons down amongst the water with a stick, that they may all be boiled equally together. When you find that they are abundantly white, you take them out and carry them to the river, and wash them as you did the other, till the before directed, in the sun.

Though the prices of the waste silk, prepared in to a smaller quantity. the two different manners above mentioned, are generally the same; yet the merchant rather prefers which is boiled, alleging that the first loses less of good, to weigh one pound, its natural gum than that which is boiled, and for

better than the other.

Though not in its proper place, I must beg to take notice of the following particular. As I could not, during the last of the years I resided at Montauban, get myself provided in my neighbourhood with a full quantity of leaves I then wanted, I found twenty-five sols per pound.

That the cocoons, one year with another, sell for hundred worms. The multiplicity, therefore, of the stages in this case, will be so great, that they will myself obliged to purchase the produce of several from my own house. The leaves were first gather-ed as usual in small baskets, and then put into sacks, in which last they were brought home to me. ther, sells in France for twenty five livres

But as this necessarily required their lying for having been sweated in this manner was attended over their first two ages. so dry as the south of France; in England, for exture of silk, which occasioned a heavy loss to the ing in size to the time of their maturity, soon fill ample, which was the object I always carried in kingdom, Monsieur Marteloy, of Montpellier, the the whole room. The litter increases by reason of

the worms.

ounce; nay, he had known others get as far as ten terms: pounds per ounce. But he repeated, that he thought

Here I shall beg leave to add a few general remarks. That it is computed in France, that it takes

that reason, that the first takes all manner of dyes one quintal of cocoons, will require from twenty- perished, by which means there remain four hun-

nine to ten pounds of spun silk.

trees which grew at the distance of above a mile prepared for the loom, will be diminished in quan-

I shall close these observations, by begging leave some time in the sacks, I observed that in general to throw it under the attention of the Society, whethere is searce a probability of breathing, they try when they came to hand, this had occasioned the ther it might not considerably promote the object to correct it by fumigations, which in fact only add leaves to heat, and sweat considerably, as they ap-they have in view, to encourage the two following to the calamity. peared perfectly wet when turned out of the sacks. particulars; the first, the forming plantations of the Buring the lirst two ages, the silk worms occupy Having an excellent dry vault or cellar, which I set white nulberry tree upon the soil which has been but about two stages of the whole, on account of apart for keeping my leaves, I had them spread found in France to be the most proper for this pur their being so small, and from the little room they upon the floor of this cellar, having first made it as pose; namely, upon gravel or sand, which ought to take up, succeed to the wish of the fabricqueur, who thoroughly clean as possible. I then caused a serbe thoroughly cultivated yearly, but without suffer flatters himself with the hopes of a happy result. vant to turn them upside down, and toss them about ing any manure to be put upon it. And the other, continually, by means of the wood fork or grape the raising the white mulberry tree annually from increased one eighth part more in size, and will before described, till they were perfectly day; but seed, which is undoubtedly the quickest and most then occupy sixteen stages. From that moment taking care at the same time that this should be expeditious way of getting a proper supply of these the fabricqueur becomes the cruel destroyer of his done in the gentlest manner, so as not to bruise any trees; and which will have this additional advan- own prospects. He shuts the door and windows, of the leaves; and I attended myself upon this oc tage, as by this means a continued succession of caulks up every crevice with more care than ever, casion, to be certain that my orders were punctually tender young leaves will be obtained for the use of which could admit the least degree of exterior air; obeyed. The leaves were then served up to the the worms in their early state, as these are beyond he heats the room at great expense, and actually worms as wanted; nor did I observe that their a doubt the best food for them till they have got suffocates his worms by the force of fumigating.

the benefit of the trampling equally with the rest. view, as a great deal of the gross moisture of the gentleman already mentioned more than once in ticd up, to prevent the silk from mixing together, that seems to be the more necessary in the present possible to remove them, carried on a course of ex-You then pour fresh water upon them from time to state of our mulberry plantations, the most of our periments, during no less than eighteen years suctime, till you find that the water runs off from the trees, as far as I have been able to learn, being cessively, before I went into that country, by means silk perfectly clear, without being tinged with any planted in garden grounds highly manured, which of which he was satisfied he had traced the evil to of course renders the leaves too rich and succulent to the bottom; and insisted that their want of success form in this natural state a proper food for the worms; in that culture was entirely owing to the causes folnay, in France, as already observed, they are regarded as highly dangerous for that insect. Would paid to that cleanliness which was absolutely it not, therefore, be proper, if the Society should requisite to keep the worms in health and vigour; be pleased to recommend this matter to be fully ex- secondly, that the practice was to crowd the worms ed, as it is certainly of importance, that the most that they absolutely destroyed all hopes of success, wholesome food should be provided for the use of by keeping their worms too close, by excluding all external air, which had the effect to render the air Wishing to know what was judged to be a reasonable seturn in silk, from an ounce of eggs, I the worms; which of course occasioned a great tleman of great practice in this culture. His an- prepared a memorial, to be laid before the French swer was, that he reckoned himself very well off minister, of which he favoured me with a perusal, when he had at the rate of five pounds of silk from which I took notes, which enable me to an ounce of eggs; though he said he had sometimes lay before the Society the substance of that memogot six, seven, eight, and even nine pounds per rial, which was conched nearly in the following

Monsieur Martelov began his memorial by reprea man had full reason to be satisfied with five senting to the minister, that if a fabricqueur (the pounds of silk per ounce, more especially if his person who employs himself in the culture of silk,) quantity of worms was large; as the larger the has got a room fifteen feet high, eighteen feet broad, quantity of worms, the return of silk must be less and eighteen feet long, he has not the least difficulty water which comes from them is perfectly clear; in proportion, as it was utterly impossible to pay to make use of twenty ounces of eggs, which, if toafter which you spread them out, and dry them, as the same just and accurate attention to the culture lerably good, ought to produce eight hundred thouof a very large number, that can certainly be given sand worms; and these, when come to maturity, he observed, would be of the size of a man's finger, and could never be possibly contained in one room of the above dimensions, if this insect, like all other the silk eleaned by means of the cold water to that two hundred and twenty cocoons, when tolerably creatures, was not accustomed to die at all different ood, to weigh one pound.

That the number of worms requisite to produce at their fourth age or malady, the half shall trave two to twenty-three quintals of leaves for their dred thousand, a number still far too great to be properly contained in a room of this size, if one at-That one quintal of cocoons will yield only from tends to this circumstance, that this space of one foot square is necessary to contain properly one That the spun silk, when thoroughly cleaned and nearly touch one another. In fine, the place will be no better than a great mass of stages of filth, and insects, which must produce an infected air. Add That a pound of spun silk, one year with ano- to this the cruel usage of keeping the room close shut up, the exterior air by this means being absolutely excluded; and as to the internal air, in which

The third age arrives, when the silk worms are

During the first two ages there is not an absolute with any bad effect; on the contrary, the worms al- Along with the foregoing observations, I think it necessity of having fresh air introduced into the room, ways fed heartily upon them, and continued strong may not be improper to lay before the Society the since the worms scarce occupy at that time a twenand healthy till they mounted the brushwood, and following particulars, as they help to throw additional light upon the subject.

The having been the general opinion in France, most; but the whole face of things is changed at to me, that the practice of s seating the leaves might when I resided in that country, that some great er the third age: the worms, as I have already said, do turn out to be beneficial in a climate that was not rors had crept in as to the management of the cul- then occupy sixteen stages, and every day increasby a distaste of their victuals, even when the best have a plentiful crop. chosen.

species

the destruction of the whole.

est and the most certain crops. These habitations, simple wounds, that those wounds have turned into consequences, however, of these two experiments, almost entirely open, in spite of all the care to shut incurable ulcers were yet productive of great advantages to the them up during that operation, have always cre- is it then extraordinary that nurses, who pass country; for many of the people engaged in that vices sufficient to admit a fresh circulation of air, three weeks together at the hardest work, and in culture, having been-made perfectly sensible of the which is the true cause of their success. Their the most infected air, should give a kind of pesti- great errors in their former management, were led richer neighbours, better lodged, and consequently lential milk, which occasions that mortality amongst to adopt the alterations recommended by Monsieur better shut up, astonished at the happy success of the children? They are seen, after that hard labour, Martely; namely, not to overcrowd their worms as these poor people, call them in to be directors of to be in a languishing condition themselves, for se formerly, to observe more cleanness, by frequently the management of their silk worms. These new-veral months together. That kind of jaundice clearing away the litter; and, lastly, by taking care comers, transplanted into the more commodious, which attacks those women who ordinarily have to preserve the air of the rooms always sweet by a but less healthy houses, have no longer the same the charge of attending the silk worms, does it not continual circulation of fresh air; which certainly advantages they enjoyed in their own shattered habitations, and consequently have no better success than those who called for their assistance. The growing meagre; but it does not ordinarily give Whether owing to Monsieur Marteloy's experilow class of people carry their stupidity to such a that livid yellow colour which we remark always in ments, or not, I will not pretend to say; but certain height as not to be sensible in what consisted the advantages of their own open houses, which, unknown to themselves, kept up always a continued as being evidently so prejudicial to the human Amongst those who distinguished themselves the circulation of fresh air. They commonly attribute health; and the new method, before pointed out, most, were the proprietors of the Royal Canal of this want of success in these operations to foreign should certainly be followed; as the continual cir. Languedoc. As these gentlemen were proprietors causes, to cold, to heat, to the air of that particular culation of fresh air not only prevents all those bad of both the banks of the canal for the purposes of spot, to particular winds which may happen to effects upon the health of those persons who are their navigation, they formed the spirited resolution quantity of the nulberry leaves, to the woman who a certain and rich crop of silk, by keeping the ry the whole banks of the canal, from one end to attends the worms being in a certain situation at worms always in full health and vigour. the other, which, from the town of Agde to Thouthat time; and such other ridiculous causes, without | In consequence of the foregoing memorial, the louse, forms a stretch of nearly one hundred and

find out the true causes of the want of success in sum of twelve hundred livres to be paid to him, for velling charges. And, with a view to fix his attenthis lucrative branch of commerce, was at the ut defraying the expenses of it. This experiment was tion still the more closely to the duties of his charge, most pains, for several years together, to examine accordingly carried into execution in 1764, and as they likewise bound themselves by contract, to into the management of those employed in this are I happened to reside at that time at Montpellier, I communicate to him a tenth share of the free proing that the want of success in the present manage- to its progress twice a day, taking care as regularly years. ment might proceed from want of cleanliness, and to mark down in my notes the state of the weather

litter will increase to the amount of five or six experiment, till at last be found, that after the se-advised by him to order a second experiment of the inches. The interior air, full of a poisonous humid- cond age the insect was hardy enough to be reared same kind to be made the year following; which ity, which evaporates from the worms, leaves, and in the open air altogether; and that by treating they accordingly did, appointing Monsieur Marteexcrement, prevents the litter from drying: always them in this manner, he entirely avoided all the loy again to conduct it, to whom they ordered wet, it presently heats, and the silk worms being no distempers to which this insect was liable, when eighteen hundred livres to be paid for defraying the longer dry, begin by losing their vivacity, and end treated by the former practice, and never failed to expenses of it. Here it is to be remarked, that

The pernicious method hitherto used in the cul-Sometimes the insect, well-conditioned and vi- ture of the silk worm has not only been the cause gorous, keeps up against all these evils during the of the many distempers to which that insect is liathird age, and sometimes even gets over the foorth; ble in France, and the great mortality which hap but the moment of maturity, or of mounting, being pens y arly amongst them; it has still been attendcome—oppressed, and infected at last by so many ed with worse consequences; for women, who have evils, it can support it no longer. In vain the far children at the breast, being often employed to attend the open air, took place in 1765, which I likewise worms, which have lived in that prepared pestimilk of these women has been but too often affect-lence, if it may be so called, refuse to mount in or-ed by the pestilential air of the confined rooms, The poorest villages, where the houses consist above mentioned. It has been remarked, that all the extreme wetness of the season. only of so many huts, ready to tumble to pieces, those, either men or women, who are employed in turn out to be the places where they bave the rich attending the silk worms, who have any kind of attempts to raise the worms in the open air, the

states of Languedoc, upon the recommendation of twenty miles. From the foregoing narrative of the ills which the minister, appointed an experiment in the open

the great quantity of leaves they eat, and by their vears together, went on, by little and little, giving ner! And the report of its success having been excrement. During the continuance of that age, the always a larger degree of fresh air in every new made to the minister, the states of Languedoc were eight pounds and a quarter of the cocoons, raised in this first public experiment in the open air at Montpellier, yielded a pound of silk; whereas it required twelve pounds of the cocoons, raised the very same season in the house, to yield a pound of

bricqueur expects to be paid for his labour, his the silk worms, and give them their food, &c., the attended with the same punctuality. It had, however, a very different issue from the former; for that second season having turned out uncommonly der to make their cocoons; the fabricqueur, anxious which has yearly cost the lives of many of the chil cold and wet, the worms, though the top of the for the success of his crop of silk, endeavours to dren. It has been remarked, that for many years stage was roofed with boards to throw off the wet, assist them with his hands, which evidently increaspast, numbers of children at the breast, have died like our sheds in England, were frequently drenches their distress. Unable to support themselves yearly in those parts of the country where they ed with the rain; and at the most critical time of upon the branches, they descend, or tumble down, rear numbers of the silk worms, particularly at their growth, namely, from their having got over and do nothing but throw out some little threads of Tiers, Narbonne, Castrie, &c. The time of rear-their fourth malady, to the time of their mounting, silk, without design. In fine, they have not the ing the silk worm is not the season of fruit, nor the the heavy rains continuing almost incessantly, laid strength to form the rich tomb in which they ought time when the earth requires great labour, as at Monsieur Marteloy under the unavoidable necessity to shot themselves up, in order to propagate their that time almost all the crops of every kind are in of giving them their food wet, as there was not the the infancy One cannot then attribute that mor least possibility of getting the leaves dried. The that sorrowful and tragic condition, the master tality amongst the children at the breast to any of consequence was, that the experiment failed; but, sees his entire ruin! In despair he betakes himself the above causes, but solely to the nurses being in indeed, not more so than this culture failed almost to remedies, and the funnigations totally complete the habit of attending the silk worms for several every where else in Languedoc, where the worms weeks together, in that close and pestilential air were all reared in houses; owing, without doubt, to

Though this last failure put an end to any further

reign at that time, to the nature of the soil, to the employed in rearing the sitk worm, but also secures of planting entirely with the seedling white mulber-

The care of carrying into execution these extenattend the present practice of cultivating the silk air, to be carried on publicly in the garden belong sive plantations they committed to Monsienr Marworm, one may with justice condemn it as highly ing to the Jesuit's College at Montpellier, under the teloy, upon whom they settled a handsome appointimproper and ruinous. A gentleman, desirous to direction of Monsieur Marteloy, and ordered the ment for defraying the expense of his living and traticle through a great part of Languedoc. Sus ect. regularly, during the whole course of it, attended fits of these plantations, for a certain number of

Nor was this all; for the same gentlemen carried want of fresh air, he began by small experiments, daily, and every other occurrence which seemed to their views of this kind still further. Being possible but the more confirmed him in that suspidemand my attention. This experiment naturally sessed of an extensive property in land, which at cion. With a constant attention in keeping them drew to it the public notice, and the people engaged that time lay entirely open, they ordered the whole clean, that is, taking away the litter very frequenting that culture flocked in from every quarter to object to be enclosed with hedges of the seedling ly, to prevent all humidity and danger of fermentaserve the result. To their no small actonishment, white mulherry; and the carrying on this second tion of the litter, he. for the space of eighteen the experiment succeeded in the most perfect man-loperation they likewise trusted to the care of Monsieur Marteloy. These particulars I had from Mon-sieur Marteloy himself, whom in the autumn of rect. 1767, I met with at Thoulouse; where I left him busily engaged in forwarding these spirited operather to speak more extensively, the relish for the tions committed to his charge, which he told me beauties of nature, is gaining ground in our country, were going on rapidly, as his employers liberally supplied him with the funds necessary for that pur- to you my thanks as an individual for the great pose.

PRINCE'S FRUIT TREES.

Copy of a letter from the Hon. John Lowell, of Roxbury, President of the Massachusetts Agricultural Society, to William Prince, Esq., proprietor of the Linnaan Botanic Garden, Flushing, Long Island, near New York.

Roxbury, Nov. 16, 1826.

Messrs. WILLIAM PRINCE AND SON,

Gentlemen-I have recently received the last edition of your catalogue of fruit trees, flowering shrubs, bulbs, and hardy and tender flowering plants. I thank you for it most sincerely.—It is what I never even dared to hope for in our country during my life. It is, after comparing it carefully with the catalogues which I have received from Holland and France, a richer and nobler collection than can be found in any one catalogue from the most celebrated florists and nurseries of those countries.

Botany, as a science in America, is scarcely thirty years of age, and it could never attain, even with your importation of European Herbaria, any thing John S. Skinner, Esq. which could enable us to take rank with the bo-tanists of Europe, without the advantage of extensive collections. In Europe these have been furnished by the munificence of princes, or the taste of men of overgrown fortunes. The gardens of Paris, of Upsal, of Kew, and of Liverpool, are all of them of botanical knowledge? Confined, most certainly, to the five or six thousand plants of Europe, instead Mississippi and its tributary streams, it is a hardy, of being, as it now is, extended to the forty thousand vigorous vinc, and the best species, (of which there blest appearance, when it is of sufficient length, plants of Asia, Africa, America, and Australasia.

wards the advancement of botanical science by ex-yielding from two and a half to three gallons of juice five rows may suffice, and the path, in that case, tensive collections. The effort of the great state of to the bushel of bunches. Gathered from the 20th may either extend quite round the bed, or only on New York was abortive, and the noble collection October, to the 20th of November, of Doctor Hosack has been suffered to go to destruction. Massachusetts has done better:-Her little collection has been fostered, and posterity will one day thank her statesmen for the feeble and limited support she has given to a science which is every day gaining ground in public favour. It was, indeed, a curious and humiliating reflection, that thirty years since we were abliged to resort to European writers to know the names of the grasses which and late blowers. we trampled under our feet, and of the trees which furnished us shade and fuel, and materials for architecture. That day of disgrace is passing away, and part which you have taken in effecting this change, marks and observations. Your collection of plants of all sorts, both American and foreign-your catalogues, with the scientific names, afford facilities which can be no where else found.

So far as I have had occasion to import flowering plants from you, I have found them correct; and every man who is desirous of forming a collection of native or exotic plants, may be assured, that they will receive them from you with their right

European truits of the same name. I observe this work, there being a greater dissimilarity in colour you have of late cautiously and severely corbetwix them, than can be observed betwixt the first rected those errors, and the fruits which I have four mentioned.

as it must do; I could not refrain from expressing share you have had in promoting this innocent and delightful taste. I am afraid you have gone shead open, airy part of the garden, when that is fixed of your age, and have expended a capital in this or- upon, the ground should be marked out, agreeable namental part of gardening, which will be very to its intended dimensions, and the soil taken out slowly reimbursed, if ever, but it is clear that we twenty inches deep; the bottom is then to be filled should never make any advances without an estab up with sound fresh earth, ten inches thick, upon lishment so convenient and so necessary as yours. which is to be placed a stratum of two year old There is one advantage which your garden enjoys, rotten cow dung, and earth of the above descripand which cannot readily he taken from you: the tion, about one half of each, well mixed together, climate of Long Island is one which is adapted to twelve inches thick; and again, upon this is to be furnish plants for all the Northern, and most of the placed another stratum of the same kind of earth Middle and Atlantic, as well as Western states. I as that of the bottom; this is only to be two inches most sincerely wish for yourselves success and re-thick at the sides, and three inches at the middle, nuneration; and for your country, your steady and which will give it a small degree of convexity; this spirited continuation of your efforts.

I have the honour to be Gentlemen, Respectfully yours, J. LOWELL.

NATIVE GRAPE.

Franklin, (Tenn.) Nov. 30, 1826.

American Farmer, where Col. Ball's settlement on avoided. the Mississippi, &c., I am informed by an old genthe winter grape; it abounds in all the valleys of the bed.

Respectfully yours,

J. FIELD.

LADIES' DEPARTMENT.

TULIPS.

(From Maddock's Florist's Directory.)

Tulips are divided into two classes, viz: early

The late blowers are infinitely the finest and most

They are divided into six* distinct families, viz.

- 1. Primo baguets.
- 2. Baguet rigauts.
- 3. Incomparable verports.
- 4. Byblocmens.
- 5. Roses.t
- 6. Bizards.

* The author has not been able to discover the original or literal signification of these terms: nor does he

The first four have white bottoms or grounds, and the bizards have yellow grounds.

is indeed pointed out by nature in the appearance of the grass or soliage at the upper end of the root, as is before observed of hyacinths.

The situation for the best bed should be in an is to be performed about the 20th October, i. e. a week or two before planting, to give the bed time to settle, at the expiration of two weeks the earth will have subsided, so as to be about two inches higher than the circumjacent paths; but if heavy rains intervene between this preparation of the bed and the time of planting, it will be proper to keep them off, in order to preserve the temperature of the earth, as it would be rendered too compact and adhesive, by a redundancy of moisture, for the In answer to an inquiry in a former number of the fibres to pass freely through it, which ought to be

On the day made choice of for planting, rake the sissippi, eleven leagues above New Orleans; that root upon it. The proper distance between each either national works, or the production of the unit- Ball, and most of his family, were massacred by the root, is seven inches from centre to centre; and if the ed exertions of opulent cities. But if no such gar-dens had existed, what would have been the state was made from the native grape, it was what is called squares, of similar diameter, on all parts of the

A bed consisting of seven rows, makes the noants of Asia, Africa, America, and Australasia.

are a variety,) gives bunches from six to nine inch- with a path round it about two and a half or three in our country, the nation has done nothing to- es long, the berries about half an inch in diameter, feet wide; but where the number of roots is small,

one side, at pleasure. If, therefore, the bed consists of seven rows, it should consequently be fifty inches wide, which will allow a space of four inches between the outside rows and the sides of the bed; but if the bed contains only five rows, it will only require to be three feet wate, to give the roots similar distances. Having sprinkled a little clean sand where the roots are to be set, place them with great exactness, and add some very sandy earth, so as to completely envelope each root in a little cone of it; then cover valuable, and are of course entitled to the princi- the whole very carefully, with strong, sound, fresh pal attention of the curious; they are, therefore, to loam, about four inches thick at the iniddle of the to you gentlemen, we owe no small tribute for the be considered as the subject of the following re- bed, gradually decreasing as it approaches the sides, where it should be about three inches thick; thus will the convexity of the surface be increased in a proper degree, and the roots will be covered with soil, to a depth proportionate to their size and strength; the largest and strongest having been placed in the centre rows, and the smaller and weaker on those of the outside. No talip root, whatever may be its size or strength, should be planted more than four inches deep from the upper side of cause I have imported of late years but few trees. It is true, as you admit in your catalogue, that in former days some of your fruit trees were misnamed; they did not always and a less than two and a half or three inches deep, however small it may be. The soil made use of for verports are a particular kind of bybloemen, distinct named; they did not always some of your fruit trees were misnamed; they did not always and a less than two and a half or three inches deep, however small it may be. The soil made use of for verports are a particular kind of bybloemen, distinct named; they did not always some of your fruit trees were misnamed; they did not always and the statement of these terms: nor does he less than two and a half or three inches deep, however small it may be. The soil made use of for verports are a particular kind of bybloemen, distinct over and thoroughly exposed to the same of the planted less than two and a half or three inches deep, however small it may be. The soil made use of for verports are a particular kind of bybloemen, distinct over and thoroughly exposed to the planted less than two and a half or three inches deep, however small it may be. The soil made use of for verports are a particular kind of bybloemen, distinct the root; nor should any blooming root be planted named; they did not always correspond with the ly of the roses was omitted in the former edition of rendered perfectly sweet, and free from the acrid

a path in the front and none behind, then it will be Dolphin will strike you at once with being different into the vessel you intend to keep it in, pour in the proper to plant the smallest and lowest growing roots in the front, next the path, and so gradually to increase in the size of the roots to the fifth or last row, which should contain the strongest and his tail and legs are also black. In point of spirit ble time, it will be necessary, once in two months, would be liable to crumble down, and leave the roots bare, or too shallow.

When the operation of planting is concluded, the bed may be hooked over, and taken care of, in the manner directed for hyacinths, i. e. so as to preserve it from very heavy rains, and severe frosts; but the recollection of some of our naval officers attachmore service than injury to it.*

(To be continued.)

SPORTING OLIO.

THE JONES ARABIAN.

Sassafras Neck, Cecil co., Dec. 12, 1826.

TO THE EDITOR OF THE FARMER,

Sir,-Having seen in your last number a woodcut of the celebrated Arabian horse of Lord Godolphin, I am induced to call the attention of judges, to an Arabian horse purchased by the American Consul at Tunis, and imported into this country by Commodore Jones, in the U. States frigate Constitution, some years ago. From the great similarity, in form, between these animals, I cannot resist the conclusion, that Dolphin, the Jones Arabian, must be of the same kind of stock as Godolphin, and consequently deserving of examination.

The observer, upon comparing the portrait of the Godolphin with the Jones Arabian, will be struck with the great resemblance that exists in the form of the withers and rise of the chest, so remarkable in the Godolphin. The form of the head is precise. ly similar; they are alike in the back, that of the Jones Arabian being a little shorter, the similarity is also to be seen in the hind parts, the Jones Arabian being somewhat more droop-arsed, the only objection that has ever been made to his form.

As regards size, the Jones Arabian is just the same height as the Godolphin. It is stated the Godolphin bore evident marks of being a wild horse of the desart. The very same impression is made by the Jones Arabian, upon the mind of the spectator.

In this respect, he differs very much from Bussorah, the beautiful sorrel Arabian. Bussorah has more the appearance of the English race horse-

from any horse you ever saw, at least, such was the liquor till the meat is quite covered, in which con-

impression made upon the writer.

largest of all; when the roots are properly covered and action, he admits of no superior. He is at pre- to boil the pickle over, again clearing off the scum with soil, as before directed, the surface of the bed sent in Cecil county, Maryland, and stood to mares that rises, and putting in, when boiling, two ounces will slope one way, forming an inclined plane: it during the springs of 1825 and 1826. His oldest of sugar, and a half pound of common salt. Thus will be necessary to support its highest side at least, colts are not more than nine months old, and are the pickle will hold good for twelve months. It is with boards, or brick work, otherwise the earth thought very promising. It is, however, unfortu-incomparable for curing hams, neats tongues, or nate, that in his neighbourhood, there are very few, stance, and the remoteness of the situation, his merits as a Turf Stallion cannot be fully ascertained.

With regard to his own performances, it is within either one or the other, in moderation, will be of ed to the Constitution, when under the command of Commodore Jones, that he was taken from on board, and with scarcely any training, ran a trial race at Gibraltar, with one of the Earl of Chatham's against the depredations of Coekroaches. He rebluod horses in a style highly creditable.

The writer wishes it to be understood, he has no pecuniary interest of any kind whatsoever to subscrve, in noticing this animal in your journal. He is free to confess himself, an enthusiastic admirer of the blood horse; believing him, not withstanding the objection of want of size, to be the best for any purpose serviceable to man. His sole motive in making this communication is, that it may lead to an examination by better judges than himself, in the hope, if discovery, if it proves, in all cases, as effectual as found worthy, a few line mares be bred to this horse our informant assured us it did in his house. by way of experiment, in improving the American SHREWSBURY. stock.

STAG HUNT.

A fine deer was turned out, on Easter Monday, on Farnham-common, for a day's diversion by the king's stag-hounds. A numerous circle of sportsmen, of all ranks, were assembled on the common, as well as a great number on foot, to partake of the sport. The deer, on starting, proceeded to the direction of Dropmore-hill, through the woods leading to it, where he was headed by the sportsmen on July last—the aggregate of which was estimated foot, the deer then made a double round towards as follows, viz: Clifton, and ran down the hill towards the Thames. The spurtsman, who imagined that he would cross the water, proceeded, together with the hounds, over Maidenhead bridge, and took to the right; but the deer was running along the bottom of the wood, under Clifton hill, by the spring, when one of the yeomen prickers, who was following the deer, gave a signal for the huntsman and hounds to return over the bridge, which they did, and turning to the left, the real value of the produce seeking a market, it renewed the chase. The deer, proceeding up the is only necessary to advert to the fact, that the prohill towards Lord Barton's seat, at Hedsor, and, duce which is entrusted to arks and boats consists, taking to the left, by Wooburn, up the hill, and in a great degree, of wheat, flour, whiskey, iron through Beaconsfield, then to the right, and back and coal-that an ark full freighted is capable of again, through the woods and enclosures, down to carrying-Farnham, crossed the Bath road towards the Thames, In wheat, from 1600 to 2000 bushels-value, \$1600 which he crossed opposite Braywick; the deer took In flour, acruss the fields, towards White Waltham, then to In whiskey, the left, towards Binfield, and through the enclo- In iron, sures, near Lord Brook's park, where the fine deer was at last taken, after an excellent chase of above five hours, during which time it is supposed to have run above sixty miles. [Annals Sport.

RECIPES.

half of Muscovado sugar, two ounces of saltpetre, ties, descends to tide-a great portion of which is time, no danger need be apprehended from the most ing careful to take off all the scum as it rises. When ing country, it is believed, to a much greater amount violent hail storms, as the hailstones will strike the net and fall through without injury. It is believed, to a much greater amount there is no scum, take the liquor off, and let it stand that which has been purchased and detained and fall through without injury.

The verity of the conjecture that the pre-

dition it must be kept.

beef which you intend to dry; observing, when you if any, full blooded brood mares; from this circum- take them out of the pickle, first to clean and dry dry, warm place.

A CURE FOR COCKROACHES.

A respectable professional gentleman informed us yesterday, that he has recently discovered that commended to put a little of it upon the shelves or sides of your book-cases, bureaus, armoirs, or other furniture, in which they take shelter, which may be readily done with a feather, and these troublesome insects will soon quit, not only the furniture, but the room. The remedy is simple and easily obtained by every person who wishes it. It is not unpleasant to the smell-soon evaporates, and does no in-

[Louisiana Advertiser.

MISCELLANEOUS.

TRADE OF THE SUSQUEHANNA.

MR. SKINNER,

A keeper of a toll-gate, who resides immediately upon the margin of the Susquehanna river, about a mile above Columbia, kept an account of the several descending arks, boats and rafts, that passed his residence between the 3d of March and the 3d of

1037 arks, average value \$1000 . . . \$1,037,000 1000 . . . 164 keel boats, do. 164,000 1090 rafts of lumber, do. 300 ... 327,000

Total estimated value, . . . \$1,528,000

To be satisfied that this estimate is not exaggerated, and of its being, in great probability, below

400 to 450 barrels do. 2000 100 to 120 hhds. 3000 do. 50 to 60 tons do. 4000 60 tons In coal. 50 to do. 360

The above may be considered as the amount that an ark is capable of carrying with safety, when the waters are in good arking condition; of course many cargoes are of less value. A keel boat usually carries from 1000 to 1500 bushels. From these facts you will perceive that the estimate is probably greatly below the real value. This produce. with the exception of a portion of coal and lumber which is purchased at Columbia for the supply of To four gallous of water, add one pound and a the back country in Lancaster and Chester counand six pounds of bay or common salt Put the ultimately deposited on our wharves, having rewhole into a clean pot, or kettle, and let it boil, be-ceived an accession at Columbia from the surround-

^{*} Tulips, however, covered early in the season, generally receive more injury than benefit, as the close covering of mats or eanvas will naturally draw the foliage weak and long, in consequence of which they are less able to bear long covering during the season of their blooming. They are perfectly hardy, generally bearing the most intense frosts without injury; neither does abundant rain, up to the time the blossoms remain unopened, injure them in the least; the greatest danger is, after the foliage is expanded, and the stems make their appearance; then a violent storm of hail would, if unprotected, destroy the beauty of the foliage, and in a great measure injure the stems so as to cause the bloom to fail in many instances; to avoid this, we have never found a better remedy than a close meshed net, the meshes not more than half an inch square, placed over the hoops, and brought down to the ground on each side; this will also serve for other purposes, such as keeping off cats, &c. which are very fond of scratching in such situations. The net may remain on half of Muscovado sugar, two ounces of saltpetre, the hoaps until removed to make way for the c1oth awning; it will admit as much light as will be necessary for the health and strength of the plants; at the same

perty descends the river, is supported by the fact that upwards of 800 arks have passed through the Maryland canal during the present year; and it is a fact notorious to those acquainted with the trade of the Susquehanna, that a very considerable nomber of arks seek the tide over the bed of the river, without recurring to the canal, when the waters are at a sufficient elevation to enable them to do so. Yours.

December 12, 1826.

CAPTAIN PARRY'S NEW EXPEDITION.

A new expedition is projecting for Capt. Parry. It has for its object to reach the Northern Pole, to make known to us what the inmost point of the ice bound Arctic Circle is. Capt. Franklin had offered himself to undertake a journey over the ice from Spitzbergen to the Pole, and this has been adopted by Capt. Parry, who, in addition to his own ardent expectations of success, procored the sanction of the Royal Society to the practicability of the enterprise. The Hecla is to be prepared for Capt. Parry early Penitentiary 5 pr. cent. stock; (none \ 100 in the ensuing spring, and in that vessel he is to proceed to "Cloven Cliff," in Spitzbergen, in lat. 79 deg 52 min., (or about 600 miles from the Pole,) which he is expected to reach towards the end of May. From this point he will depart with two vessels which are capable of being used either as boats or sledges, as water or ice is found to prevail Reister's Town, . They are to be boilt of light, tough, and intlexible materials, with coverings of leather and oil cloth; the latter convertible into sails. Two officers and ten men are to be appointed to each, with provisions Baltimore Water Company Stock, for 92 days, which, if they only travelled on the per share, (div. off.) average thirteen miles per day, and met with no in surmountable obstacles, woold be sufficient for their Gas Stock, reaching the long desirable Pole, and returning to the Hecla, at Cloven Cliff. Dogs or reindeer (the Havre de Grace Turnpike 6 per cts. par & interes former preferable for drawing the sledges, when necessary, but the latter better for food in case of Six per cent. 1813, detention) are to be taken on the expedition. It is known that the summer temperature is far from being severe; there is perpetual light, with the sun Three per cent. continually above the horizon, and Parry knows Four and half per cent. from experience that the men on such occasions are Five per cent. always healthy. During his absence, the boats of the ship are to be engaged in exploring the eastern side of Spitzbergen; and the officers and men of science in making philosophical experiments with the pendulum on magnetism and meteorology, in perty in this city, a FARM in the county of Oneida, v natural history, &c. The reward of success, be-lage of Taberg, seven miles north of the Canal, conta sides the personal glory and general advantage at tending the exploit, will be 5,000l; and we sincerely hope, that by this day twelvemonth, Capt Parry and his gallant companions may be safe in London to claim and receive it.

THIS PARMER.

BALTIMORE, FRIDAY, DECEMBER 22, 1826.

ILLINOIS LEAD MINES.

Accounts from the Lead Mines, near Fever river, represent the prospect of the miners as peculiarly encouraging. Between four and five hundred men are at work raising the mineral, which is found in greater quantities than can be smelted by five furnaces, kept in constant operation. It is but a few years since the mines were worked by Americans, and they already yield a considerable revenue to the government.

DEER .- These nimble footed animals are again plentifus in Plymouth woods, they are often seen and the law of the state to hunt them with dogs.

Boston paper.

PRICES OF STOCKS.

(Reported for the American Farmer, by Gittings, Stock and Exchange Bro		
Baltimore, D	e. £2,	1926.
BANK STOCKS. put	r value	present
U. States' Bank Stock, per share, \$	100	\$1205
		2:7 w
Ba k of Baltimore, do (div. off,)	500	340
Union Bank Maryland, do.	75	75 w
Mechanics Bank,	9	11 10
Franklin Ba k,	20	25 25
Commercial and Farmers' Bank,	20	26
Farmers' and Merchants' Bank, .	50	54.25
City Back, w	15	2.80
Marine Bank,	25	27 15
Farniers Bank of Maryland, w	50	52,25
CITY STUCKS.		
Corporation 6 per cent. redeemable after 1836,	100	111
Do. 5 per cent, redeemable in 1832,	100	102 w

Masonic Hall. 6 per cent. . . . 100 par sin

Annaities, or Ground Rents, . 6 to 10 per cen ROAD STOCKS.

109 York, 20 Frederick. . 12 Washington and Baltimore, 50 93 Union Manul. Co. Stock, per share, 100 106 Temascaltenec Mining Co's, per share, 600 850

U. STATES' STOCK. -----, 1814, . 1033 **-,** 1815, . **1**0a 105 100 81 100 103

IV., wanted-by Merryman & Gittings.

A GREAT BARGAIN.

The subscriber offers for saie, or exchange for pr lage of Taberg, seven miles north of the Canal, contain ing 535 acres, about 200 improved, well fenced and w ling 35 acres, about 200 improved, wen reneed and we tered, with a Grist Mill, Saw Mill, Distiliery, 3 larg Barns, connected by Sheds, one large Mansion House and four tenants' Houses. The establishment is in perfect order, buildings and fances new. As it is the wife the millionian and fances new. of the subscriber to withdraw his capital from t country, it will be sold at about half its value, and up a long credit, for most of the purchase money.

Also-A FARM in Lee, Oneida county, 8 miles nor of the Canat, containing 225 acres, 150 acres improve a new Frame House, Barn, and 300 bearing Apple free

Also-1000 acres in Oswego county, well watered, Township Scriba's Patent; Salmon Creek runs through, and 1000 acres near the village of Taberg, the greest part of both tracts under contracts, payable in 2 6 years, and improved by actual settlers. Any pers wishing to purchase property of this description, we find a great bargain. The title is elear of all incubrances. Apply to JOS. E. BLOOMFLELD, New York, Nov. 31. No. 118 Water st. T. C. I

CONTENTS OF THIS NUMBER.

Litchfield (Conn.) Agricultural Society's Show-Smith's Cotion Planter—culture of Hops—Observ tions on the Uniture of Silk, concluded—Prince's I're Trees-The Native Grape-On the coltivation of lips-The Jones Arabian--stag Hun -- Recipes, plentiful in Plymouth woods, they are often seen and pickle Beef, Perk, &c.—A cure for Cockr aches—occasionally killed by the hunter. It is now against Trade of the Susquehanna—Captain Parry's new Expedition-Ilnnois Lead Mines-Deer in Massachusetts -Advertisement.

CHARLEGATED SUPERCE

1	PRICES CURRENT.								
ا	APTICLES	Luan	WHOLI	SALE.	RET	AH.			
	ARTICLES.	per.	from	to	from	to			
	BEEF, Baltimore Prime,	bbl.	8 00						
t	BACON, and Hams,	lh.	6	10	9	12			
	BEES-WAX, Am. yellow		29 16	30	20	50			
	COFFLE, Java, Havana,		14	161	20	20			
4	COTTON, Louisiana, &c.		11	14		20			
	Georgia Upland,	_	10	12					
,	COTTON YARN, No. 10,	-	28						
5	An advance of 1 cent								
J	each number to No. 18. CANDLES, Mould,	_	13	14	16	18			
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1)	CHEESE,	_	81	12	1-	15			
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	FLAXSEED,	bush							
	FLOUR, Superfine, city,		4 875	5 00					
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	Barley, Eastern		1 22	1 25					
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	Ruta Baga Seed,	lb.	87 3 50	Į.	1 00				
0	Orehard Grass Seed,	bush	3 50		1 50	none			
	Mangel Wurtzel Sced, Timothy Seed,	1=	4 00		5 00				
v	Oats,	_	40		50				
	Beans. White,	-	1 25	1 50	2 00				
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SKINNER, Editor, by JOHN D Toy, corner of St. Paul and Marker streets where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

SKETCHES ON AGRIGULTURE,

By A. W. Foster, Esq., of Greensburgh, Pa., President of the Westmoreland Agricultural Society.

It appears to be the fate of all newly settled countries, to have the soil nearly exhausted before any considerable improvements in agriculture are commenced. Such was the case in the eastern parts of this state, unless in a few places where the soil was alluvial, or from its natural and almost inexhaustible fertility, it could searcely, under any bad system of farming, be materially deteriorated.

The observation of Mr. Kalm, a Swedish traveller, in the account he gives of the husbandry of the then British colonies, as he found it in 1749, is a correct picture of all the new settlements subse-

quently established.

"They make scarcely any manure for their corn fields," he says; "but when one piece of ground has been exhausted by continual cropping, they clear and cultivate another piece of fresh land, and when that is exhausted, proceed to a third." It is not necessary, however, to go so far back into an tiquity, as those who were acquainted with that section of the state, thirty-five years ago, and have seen it of late years, will have perceived how much has been added, by the improvements in agriculture, to the annual productive value of the freehold.

In a country like ours, where land is plenty in proportion to the number of inhabitants, and where individuals are proprietors of large farms, the disposition appears too prevalent to be more anxious as to the quantity cultivated, than the manner in but it is a great and radical error. The labour is greatly increased, in procuring the same quantity of grain from twenty, that might be procured from ten acres; and this difference exists between what will be estimated a tolerably good crop, and one of the first quality. Between these two points exist the profits of a crop, and they will be increased or diminished as they approximate to either.

of the soil, the order in which it shall be at the time of sowing or planting, and the season for pr forming either operation, will be considered as arti-

cles of primary importance.

In clayey soils, particularly those imprignated with a calcareous substance, an advantage will be found from putting on the manure from the barn yard at an earlier stage of decomposition than on those of a light or sandy nature, where it will not so rapidly decompose; and in such soils, a greater

Experience has fully proved, that the more per-fectly the soil is pulverized the more capable it is of conveying nourishment to the tender fibre of the plant. This is an important desideratum in agricul-be beneficially used in a judicious course of agri-ture. A judicious famer will always have an eye culture, in either of the modes before suggested; to this, particularly in breaking up his fallows, (when this system is pursued;) as, if this operation be performed in a clayer soil, when the ground is wet, a winter's frost will be necessary to separate the particles of earth which have been formed into solid masses or clods. There is another fact deducible from certain philosophical principles, that the more perfect the state of pulverization of the earth ed and used as a manure. on the surface, the greater will be the quantity of moisture retained in it in dry seasons, which also. in addition to other reasons, furnishes a strong argument in favour of deep ploughing.

The system of fallowing ground, however, is a

most ruinous one; and its necessity arises from a

in vain to think of ploughing it shortly before sowing wheat, and have it in any proper degree pulverized, or to expect, by a single ploughing, to destroy the blue grass, which (being an indigenous plant,) would most assuredly come forth the next vest, by a third ploughing, commit his grain to the earth-all which are necessary to destroy this grass (which is universal in Pennsylvania,) and pulverize the earth. Whereas, by putting his ground in clomay be done twice in the same year, would add the erop, in most cases, will be abundant, beneficial effects of both would be visible.

be beneficially used in a judicious course of agri-confidence. and if cured for food, would add greatly to the reimportance,

to go to loss; all is added to the barn yard for ma- the view of ploughing down a green crop, or be

The importance of a rotation of crops to a successful course of agriculture, falls within the observation of every one. Some of the substances es- ought to be changed as soon as possible. by a continued routine of cultivation. The same up for corn, as directed in respect to worn out meakind of grain should never be sown in succession dow ground. Let another field be ploughed early,

previous defect in the cultivation of the ground. If cession, the intervention of grass crops being essena field has been some years in blue grass, it will be tial to restore to the soil those substances necessary to produce a perfect grain crop, unless the supply be formed by the annual addition of stable manure.

No precise, uniform rule, for a rotation of crops, can be prescribed, as something will depend on the nature of the soil, and much upon the particular spring, and destroy all prospects of a wheat crop state in which the ground may be at the time of lt, therefore, in such cases, becomes necessary for commencing such a system. A few observations the farmer to destroy its ascendancy, by breaking up will, however, be made, as to the proper course to his fallows early in the spring or summer, expose his pursue under particular circumstances. An upland soi to the exhausting rays of the sun, give his ground meadow, where the advantage of irrigation does not a second ploughing before harvest, and, after har- exist, will, unless where the soil is naturally moist and remarkably fertile, in the course of a few years, become grass-bound on the surface, and produce little or no timothy or clover, the indigenous grass of the country taking its place. It is true the tive), he may have tenfold the pasture during the mothy and clover may be longer preserved by the time the land is not cultivated in grain, and by once most expensive of all possible modes of manuring, pluighing in the fall of the year, and harrowing in spreading it over the surface, (where it is subject to pisgrain, have his ground as perfectly pulverized be carried off by rains, or exhausted by the rays of as n the other mode; free from all the exhausting the sun,) or by the use of gypsum, which is also effects of exposure to a summer's sun; enjoying the too expensive for general use in this country at additional quantity of pasture, and improving his present. If such a piece of ground be ploughed soilby ploughing in his clover, and the decomposideep, in the month of March, and well barrowed tior of the roots of the plant. It is not saying too about planting time, and lightly marked out for much to aver, that not a single field of blue grass planting corn, so as not to disturb the sod, each should be permitted in the state. Not a field should grain of corn will have a batch of manure beneath be seen that was not either in grain or clover, or it; and in the month of June, the middle may be sone kind of grass superior to the common natural ploughed, when the sod will be decomposed and gras of the country; unless where a corn crop had thrown up to afford an additional quantity of mabeen raised the preceding year, and when the pro- nure to the new roots, which will be shooting out pridor is desirous of putting it in fall grain without from the stalk; there will be no trouble from weeds, further exhausting the soil by a summer crop. The which will always be the case in mellow ground, sowng of buckwheat and ploughing it down, which several years, in the cultivation of corn, &c. and which it shall be done. The temptation is strong, little to the expense, and greatly to the fertility of ensuing spring sow the ground with barley or oats; the oil. The first crop being ploughed down im or by cutting the roots, a little after the usual time medately before harvest, would, on ploughing down of topping, as now generally practised; which is an the second crop in September, be decomposed, and admirable plan for procuring a large additional affed innuediate nourishment to the wheat crop. quantity of excellent fodder, and of adding greatly The second crop would have undergone a complete to the stock of the barn yard, (the very best sub-renentation early in the ensuing spring, when the stance for manure.) The ground may, if not too wet a soil, be sowed in wheat, rye, or fall barley; In the present state of agriculture, when so many and in either case be sowed with timothy and clo-In every good system of agriculture the quality fields are suffered to grow up with blue grass, and ver, which is preferable to timothy or clover alone, the soil, the order in which it shall be at the where the system of fallowing so extensively prevails, even after stirring this ground, which might no difficulty will be experienced in consequence of be done early in June, if sowed with millet, would the different periods at which these grasses ripen. (if the ground be of such a quality as to produce The clover stalks will be smaller and more tender good oats,) produce an excellent crop, which might than when raised alone, and will be supported by the be cut about the first of September, producing an timothy from falling down or lodging, in which case abundant crop of seed, and excellent fodder, or the leaves rot as well as the stalk. The clover is even if cut earlier, and cured with the seed, before also prevented from ripening so soon, and it will be the same be perfectly ripe, would afford food for an advantage to the timothy, as respects its quality, cattle equally putritive with the best timothy and to be cut some weeks sooner than is now generally so rapidly decompose; and in such substances, benefit will be found from ploughing down clover, clover hay; or if ploughed down in all its luxuri-practised. Let this course be fairly tried, by any buckwheat, millet, or other vegetable substances, what a mass of manure would be afforded! judicious farmer, and it will never be discontinued. An unjust prejudice has for some time existed Such grass, well cured, will alone, be equal to tiagainst raising millet. It is true it may not have mothy hay, as now cured, with the addition of eight answered the expectations formed respecting it; quarts of oats per day to each horse. On this subnevertheless, it is confidently believed that it could ject I speak from experience, and with the fullest

When, by the previous course of farming, any piece of ground is become free from grass, it ought sources of the barn yard-an object of primary if of a good quality, to be immediately sowed in some kind of grain, according to the season. If In England, where the whole kingdom almost is not of such a quality as will produce a good crop, in a state of garden culture, not a weed is suffered it should be sowed with some kind of seed, with nure. The very soot of their chimneys is preserv-otherwise manured, or the labour employed will be

As most of the lands in cultivation in this country are pasture fields, the system heretofore pursued sential in the formation of grain, become exhausted field having the best sward of grass be ploughed on the same ground; not should more than two and sowed with some kind of grain to be ploughed crops of any kind of grain follow in immediate suc-down green, as before mentioned, preparatory to

^{*} Vide 1st vol. Smith's Wealth of Nations, p. 291.

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ed or pastured; always observing, however, that the leaf and stem contain a glutinous substance ing, will be made. It is of important six weeks before ploughing, and should, at that This is more remarkable in the tobacco leaf, and the best seed, of which there is an endless variety. time, be in full bloom. If any of the fields be intended for corn, it may remain in pasture for a year more or less so in all vegetables.

The difference in manded the highest price in Baltimore, and which longer, as you then depend on the roots of the grass, as to the nutritive quality, between that out sward for a manure.

The course here recommend- in dry weather, even when the dew is off, letting it been successfully cultivated by Mr. Dorsey, of Soed, if pursued, would, in a few years, change the remain in swath during that day, the ensuing day merset county, on the top of the Alleghany mounwhole face of the country, and double the present putting it up in loose windrows in the forenoon, and tains. This tobacco requires to be fired to give it value would be added to the freehold.

to raising esculent plants. The value of the potato will undergo a heat or partial fermentation, and c- in dyeing silks. This tobacco makes excellent as a palatable, wholesome and nutritious food for cumulate a greater portion of saccharine juice from wrappers for segars, but wants the flavour of the man, as well as animals, and its productiveness, the atmosphere, (as the pumice of apples will, after Havana tobacco, or of that raised here from the are too well known to require further observation, being ground, by remaining one night in the trough llavana seed, and is unfit for the body of the The celebrated author of the Wealth of Nations previous to making into cider,) then the next lar says, that an acre of potatoes will produce three opening them; and putting two of these baycocks ito times the solid nourishment as an acre of wheat - one, and hauling it in on that or the day following, ing, need not be cured by fire, provided it is plantand he appears to be within the mark; and that and the grass cut in wet weather, and suffering he Europe derived more advantage by the article of alternate changes of rain and sunshine, is from fity potato, than all the other advantages in the disco- to one hundred per cent. very of America. The extensive cultivation of the beet, the carrot, parsnip, and, above all, of mangel as much as possible with the wind, and as littlees. wartzel, (or scarcity root) of which latter article posed to the sun or rain as practicable. The lay 1500 bushels have been raised to the acre, (while ing of the hay one day in swath, is favourable, not 1500 bushels have been raised to the acre, (while high of the largest period, the leaves may be stripped off every week, after only by producing a partial fermentation to inthe leaves may be stripped off every week, after only by producing a partial fermentation to inthe beginning of July for food for cattle,) would crease its nutritive qualities, but at the same timely unless the weather be warm. There is no danger the beginning of July, for food for cattle,) would add greatly to the means of supporting a large

stock of cattle.

No system of farming can be perfect that does not embrace in its articles the practice of soiling same effect is further produced by putting it in hycattle. Perhaps there are objections to its general cattle. Perhaps there are objections to its general adoption at present in this country. A practice so much the reverse of this, of suffering cattle to pasture the meadows late in the fall, through the winter, and early in the spring, cannot be too strongly reprobated. It is a ruinous anticipation of the approaching crop, and is "killing the goose that laid the golden egg." More attention in providing a supply of fodder, would, at all times, supersede the necessity of resorting to a means so pregnant with great part of the summer, to keep his work horses in the stable, (and which ought to be done by every farmer, except for a few weeks in the spring of the year, when the early grass operates as physic. and in that respect is beneficial,) where they would always be convenient, and much more able to perform the necessary labour, and not be exposed, in the fall of the year, to the deleterious effects produced by eating grass containing so little nutrition, (so little saccharine juice, which abounds in all vegetables growing in the early part of summer,) that the digestive faculties imperfectly perform their offices, fermentation takes place, and an acid is produced on the stomach, nausea prevails, and a constant discharge of saliva, or water, is the consequence, gradually weakening the animal, and rendering him unfit for active service. Although little is due to those who will persevere in error, yet, for the information of such, it may be mentioned, as the easiest way of remedying this evil, or rather land, curing this disease, that by salting their horses on a clay bank, if the earth be impregnated with lime ple, should direct the attention of the farmer to vaquantity of lime or potash, and mixing it with their soil and climate is admirably adapted, only requires ter planting. I know of no other means of destroy-

The true principle in curing grass is to effect it opening the pores, permit the watery particle to the nutritive parts or decomposing the plant. ter generated in the process of fermentation. tendency of the sun and rain, particularly where matic quality will be increased. The plant set out they operate in succession, is to produce a decomposition of the parts, and destroy the nutritive qua-

lity of the grass.

In the raising of plants as well as animals, much saved incovering and uncovering the plants. of the future growth will depend on the early culinjury, and would also enable the farmer, for a ture or nourishment they receive. If either he simplest construction. A few rails built up in the great part of the summer, to keep his work horses stinted when young, it will be in vain to restore form of the foundation of a corn crib, say thirty them to a healthy, vigorous, and luxuriant state, inches high, fired to near the top with horse stable The germ has assumed its organic form, and the manure, taken bont the heap when warm and in a fibres have become rigid and contracted to a particular scale, by which their future growth will be inches with garden hould, and a few quarts of wood

regulated.

heads or ears, those earliest ripe and the most proover the bed. A complete hot bed, with glass, will,
ductive. The same observation applies, in still
greater force, to raising cattle. By, in the first
place, procuring the best to be obtained; then by
killing or disposing of the most imperfect of the
lowered and meximine cold weather, a straw mat put
over the bed. A complete hot bed, with glass, will,
ductive. The same observation applies, in still
it is true, bring the plants forward sooner, but is too
expensive for common use.

New ground will certainly produce the finest cokilling or disposing of the most imperfect of the
lowered and most highly flavoured vobacco. It will young, and preserving the best, and still further do well for a second year's crop. Were I to choose improving the breed by judicious crosses, a stock a favourite spot, it would be a south eastern expoof cattle might soon be raised on any farm, to ap-sure; the soil a pebbly or sandy gravel for its base, pear almost a distinct species from those in the with virgin earth on the surface, on which hickory neighbourhood. In this mode the celebrated Mr. grubbs, sassafras, and grape vine grew.

Bakewell proceeded with so much success in Eng-Bakewell proceeded with so much success in Eng-

stone, or occasionally giving them lime water to drink, the acid will be neutralized, and of course the disease removed. The same effect will be produced by pulverizing chalk or limestone, or a small employed. The raising of tobacco, for which our The cutworm is frequently troublesome shortly af-

sowing wheat. The corn ground will be prepared feed. There is a point of time when each particular a little energy and experience to be made a profitafor a crop of oats or barley the ensuing spring, at kind of vegetable contains the greatest quantity of ble article of cultivation. Our soil, so much supethe same time sowing it with clover, which may be saccharine juice, (or sugar) and other nutritious prolightly harrowed if not very mellow, or no appear-perties. The exact point of time, it may be impos-land and Virginia, and having much land yet to ance of immediate rain, in which case harrowing sible to tell; but a few days sooner or later will not clear, from which prime tobacco is always raised. the clover seed will be unnecessary. The wheat be material; the nearer, however, to that point of the value of the produce, compared with the weight field should also be sowed with clover seed in the time the grass shall be cut, the more nourishment it of carriage to market of this and most other artimonth of March. In the course of two or three years, will contain. Grass ought not to be cut in wet weather, ought to induce farmers to make the experithese fields may be ploughed and sowed in wheat: ther, with the hopes of curing it in dry weather; it once ploughing will then be sufficient, it the clover ought to have a few days of hot sun before cutting, might be disposed to make the experiment, a few has been well set, whether the same has been mow. The juices will be richer in the latter case; even observations respecting its culture and mode of cur-

It is of importance, in the first place, to procure in the afternoon in close windrows, and in the even- the fine colour, and it is said to be used by the la-A greater portion of industry should be directed ing into small haycocks; where during the night it dies of Hamburgh for smoking, and also to be used

> Tobacco raised for making segars, or for chewed at an early period, so as to be sufficiently ripe for cutting in the beginning of August, when a sufficient period of warm weather may be expected to remain for its being perfectly cured, as it will undergo the process of curing more in one day in the warm weather of August, than a week of cold weather in September or October. Indeed it is imof tobacco being injured here by the frost. The escape, when exposed to the air, without destroying only danger is, that it cannot be cut soon enough to cure it unless by artificial heat.

> The plants should, therefore, be raised in a hot bed so that they may be set out at an early period, say go in the mow, where it would be subject to mould the middle of May, and be ready for cutting early from want of exposure to the air, to remove the war in August, as well to save the expense and risk of The Bring, as, by ripening under a hot sun, their aroat his period will also be more luxuriant, and in general seasons be in less danger of dry weather at the tine of planting, by which much labour will be

The but hed is easily made, and may be of the ashes mixed with it, vill answer the purpose well, The procuring the best seed is at all times importing the seed may be put in about the first of March, and in extremely cold yeather, a straw mat put

edge of two furrows thrown together with the

at day break, when they will be found on the sur-

face, but disappear before sunrise.

The tobacco worm makes its appearance ahout the first of July, and will be very destructive if suf fered to continue its depredations. A turkey hen, this best. His fingers can reach furthest down become out, or as it is called, when the tobacco is in button, it must be topped If done immediately larger and thicker in the leaf, but not of so fine a quality.
The time of cutting is indicated by the leaf be-

coming puckered, something resembling the raised a plutinous substance covering the leaf, which will

almost stick to your hand.

There is a point of time most proper to cut each the butt end of the stalk. particular plant I prefer leaving it to pass beyond that point to falling short of it. There is less risk in its curing well. One essential point to be observed, which has been already hinted at, is not to cut in the pile. A moderate weight should then be placed developed them in the following way. In cutting a the tobacco for two or three days after rain. The rain washes off the glutinous substance mentioned, and the tobacco, if cut without this substance, will formentation, and, by the time the leaves are com- portion of it in heaps for the purpose of making some be greatly deficient in weight and quality.

Tobacco consists of several substances; some volatile, others fixed. The former are the water, the tobacco is, to get rid of the water and green colouring matter, without destroying the other less volatile. The tobacco when cut, which may be from fall, when it is considered fit for market. 4 to 6 o'clock in the afternoon, as the day may be cool or hot, should be put gently in small heaps, or singly, the top from the sun, until the leaves and the stems completely relax, which will be in helf an hour to an hour, according to the state of the weather; then taken to the tobacco house, and there piled up in one heap, having as little surface expos-&c. may be thrown over the whole Early next morning, say 6 to 8 o'clock, it will be found to be then be immediately hung up on poles, either by splitting the stalks, if large, or by driving small pegs of wood into the butt end of the stalk. The tobacco, when hung up in rows, must touch each other, and in a few days, as it relaxes more, the poles must be closed up, so as to keep the rows in contact. This must be repeated every few days for them, to prevent the tobacco from moulding.

The rationale of the process is this. By heating the tobacco the first night it is put in heap, a fermentation or partial decomposition, takes place, the watery part to escape. In the escape of the appearance, from each other. I found none of them, tirely by the common labourers on my farm, watery part, which is the most volatile, if a single however, valuable to us; like most other things, they should be cured on an earthen fluor, or that a buck of my next year's crop from them, and as I purpose lie.— I then put down logs endwise, sixteen feet six et of water should be occasionally thrown under placing the field at a sufficient distance to prevent inches in length, with the small ends downwards,

and the tobacco, when dry, would resemble the co-doubt. lour of bohea or black tea, and be perfectly useless. with a few chickens, will do more to rid you of this As the green colouring matter gradually escapes, trouble than half a dozen negrocs. The tobacco the tobacco assumes the bright yellow colour of the It is as you will see, the product of a single grain, must be carefully suckered. A small boy will do bickory leaf when about to fall from the tree; a new and has 170 grain stalks, which if they had been alcombination, however, soon takes place, by the tween the leaf and the stalk, and prevent a new union of the oxygen of the atmosphere and the of 30 grains to the ear, or upwards of 5000 grains one starting from the same place. When the buds tennin peinciple in the tobacco, and it assumes a for 1.—This extraordinary product, I am induced after the buttons appear, the tobacco will be the poles are opened, the tobacco exposed, and immedately dried, and put away in bulk, as it is called, or spontaneous growth.

The soil is a compact, greasy, bituminous clay,

The putting it away in bulk, is no more than part of a domestic bed-quilt, by the insertion of hinds at the stem, and the hand being about $1\frac{1}{2}$ cotton in imitation of the white Marseilles; by this inches in diameter, and tied round neatly by an in raised part turning yellow, like the luckory leaf, and different leaf. Careful persons make three parcels, one from the leaves near the top, one from the mid-

tops overlap each other, so as to preserve regularity or it to keep it compact. If will then, in the course green, colouring matter, and the essential oil, in the be unpacked, exposed to the air until it bewhich the aromatic quality exists, as also the narcomes completely dry, and as soon as it becomes
cotic quality. The object and process of curing sufficiently relaxed for the purpose, which it will do with myriads of black caterpillars, which did great

[Farmers' & Mechanics' Mag. Almanack.

SEED CORN.

TO THE EDITOR OF THE AMERICAN FARMER:

DEAR SIR,-I fear that my little contribution of corn, which you will receive with this, if it should ed as possible; and if convenient, an od blanket, be esteemed worthy of being included in the parcel intended for our dear General, will not reach you in time, there is nothing very remarkable about it, heated, and to have undergone a weat. It should in colour or dimensions, and if therefore the collection is intended for the museum of American productions, which I understand has been instituted at La Grange, it would not be worth forwarding, but, John S. Skinner, Esq. if the object should be to furnish a desirable sort for

ing them than by setting hands to search for them the tobacco. If the tobacco is suffered to remain any admixture of the faring of any other sort, I shall in heap until 10 or 11 o'clock in the day after plac- be able to judge more correctly upon the now dised first in the house, a decomposition would take puted point of the advantage of selecting seed—of place, and the aromatic quality would all escape, which, by the bye, I now entertain no manner of

> I have sent you also, a very remarkable plant of wheat, of the blue stem or purple straw, species .lowed to mature, would have produced an average union of the oxygen of the atmosphere and the of 30 grains to the ear, or upwards of 5000 grains brown or reddish colour. Therefore, the sooner to attribute entirely to the quality of the soil, as there after the complete yellow colour is produced the were at least a dozen plants growing together, all averaging upwards of 100 stalks that were of chance

which when moist is of a deep black colour, it perstripping the leaves from the stalk, tying them up in vades a neck of about 200 acres, in a stratum of from 2 to 3 feet in thickness, and generally lies at the depth of 3 or 4 feet from the surface, which is a cold, tenacious white clay, it is isolated, and as far as I can ascertain, not found any where else in the vid'e leaves, which are the best, and the other from cinity.- I send you a specimen of it, and would be glad if some of your chemical friends would analize it, When made into hands, it may be packed in and ascertain its properties.—We had long thought large boxes, or at the side of the wall, making the it very probable that it possessed some fertilizing virtues, but chance and not enterprise, at length ditch bordering on a field of wheat, I penetrated in of the winter and ensuing spring, undergo a partial several places, as low as this stratum, and threw a itg out, be found to be moist, or in a sweat, as it is experiments with it. It was neglected, however, turned, and have a sensible degree of heat above and when the field was seeded in wheat, a few scattle state of the surrounding atmosphere. It must tering grains happening to fall upon those heaps, in a day or two of wet weather, be repacked and injury to our wheat, by devouring the blades, the pit in press, and remain there until the ensuing entire heads of the young underling growth, and the top of the cell or chamber containing the grain, as you will perceive by examining the plants sent you, I was obliged, therefore, to pull up some of them, in order at least, to preserve a sample of the number of shoots

Yours, very truly, JNO. MERCER, Cedar Park, 20th December, 1826.

RURAL ECONOMY.

ICE HOUSES.

Sir .- Some enquiries have been made of you, I cultivation, I can safely recommend it as the best I observe lately, about the proper mode of constructhave ever seen. For the last eight or ten years, I ing ice houses, which have given rise to several have been very curious and attentive in selecting communications from your correspondents on the two or three weeks Should a long period of wel from the various regions and climates of our counsubject.—As I always feel disposed to add my mite weather come on, it may be necessary to separate try, the almost endless varieties of this grain, which of experience to the columns of your useful Journal, they afford. In the autumn of 1818, I commenced I will give you in as few words as possible, the conin Jersey, and collected specimens, from thence struction, dimensions and cost of an ice house which throughout the Northern and Eastern States, and I have on my lot, the chief recommendation of which from both the provinces of Canada; amounting to not is its cheapness, and the little mechanical skill and the pores become opened sufficiently to permit less than forty or fifty sorts, differing, at least in necessary for its construction, as mine was built en-

I dug a circular pit seventeen feet deep, the diamestalk be hung up by itself, and exposed to a current bad found their proper level, and settled in their ter of which is eighteen feet at the surface, and of air, this will be so rapidly effected that but a small part of the colouring matter will have escap as the genuine Tuscarora, and has been, I am satisfine yellow sand, I made to incline from the sides to ed, and the pores being closed after the escape of fied, improved in my possession, by never planting the centre, and immediately in the centre, which was the water, the tobacco will forever remain in an a grain that was not selected in the field, (for four or the lowest point, I dug a well three feet square and uncured state; hence the necessity of keeping the five years past) from those stalks, which produced tobacco closely in contact, to prevent the sudden two or more ears. I am this year carrying the selection off immediately from the ice, when any thawing escape of the water, to preserve the porce open tion still further, the number of ears containing 18 took place.—On the bottom of the pit over the well, until the green colouring matter can all escape. It rows, and averaging 900 grains, was so considera- I placed four large locust sills, and on them put a is even beneficial, in case of dry weather, that it blc, that I have collected a sufficiency to plant half floor of locust logs, as close together as they would

bottom of the logs where they came in contact with a mop, is an effectual preventive; for the diseased length. the floor, and at the top I put a strong boop, (made horse, take a common table spoonful of spirits of by splitting long white oak saplings,) nailed to every turpentine and pour it on the surface of the tongue, the hottest and driest seasons, at any period from log, and two similar hoops in the intermediate as far down as practicable, then with a mop well planting to taking up the roots; nevertheless modespace, in order to keep the logs securely in their saturated with the spirits of turpentine, mop every rate rains may always be admitted before, and in places—on the surface over this, I erected a light roof of boards, and lined it on the inside with corn staks, which are excellent non-conductors, and in once or twice a day, for two or three days, has never in order to procure a strong bloom. that sheltered situation will last many years. I consider the plan of putting the logs down endwise as much the best, because when they begin to decay. it is but little trouble to draw one out at a time and replace it with a sound one, whereas, in the other tive, (and in the other cases too.) after feeding my nearer to the eye; a slight frame, about two foot plan of building log pens, if one log should decay horses, as they would refuse their food if the tar high, should surround the bed, to prevent the garnear the bottom, the trouble of repairing is almost equal to building a new one. In filling my ice house. I place a thin cover of green cedar brush at the bottom, on which the ice is thrown, and take care others through the medium of your valuable paper. when getting the ice, to have every large piece struck with the eye of an axe, so as to reduce it to pieces of about a pound in weight.- I place a small quantity of straw between the ice and the wall of the house, and when full cover the whole with dry, clean oak leaves, which I have found to preserve the ice much better than straw. During the summer I have dry straw stuffed in between the walls and the ice, (as the latter recedes by melting from the walls.) which is easily done with a long pole. -This ice house, which you will perceive is an inverted will be two or three inches high, others one incl, frustrum of a cone, contains when full, about 1800 bushels of ice, and although three (private) fami lies are supplied from it constantly, it has never given out .-

Cost of building.

Digging the pit,	\$9	00
Cutting logs. &c.	1	34
Getting hoards, &c.	1	75
Hauling all the timber, a few hundred yards,	- 1	50
Putting down floor and side logs,	2	00
Putting up roof,	3	00
Nails and door hinges,	1	00
Making and putting up door,		75

Whole expense,

In the construction of ice houses, it is a great convenience to have the door made sufficiently wide to receive with case, the tail of the cart or waggon within it, in unloading, as it can be done in half the time. All ice houses should have a window in the upper part of the gable end, with a shutter to it, as it is absolutely necessary in very hot weather, to shew colour, they should be shaded from the sun. culated all the expense that a farmer could possibly incur in building an ice house of the kind recommended; but mine was done at a very leisure time, and therefore I did not actually incur all the expense others, and will be spoiled in five minutes. stated.

Yours, respectfully,

SORE TONGUE IN HORSES.

Prevention better than cure.

Stanardsville, Orange county, Va. Dec. 3, 1826.

DEAR SIR,-Looking over a paper a few days tor gives of it, and requests of you any information effect will be lost, or considerably lessened. you may be in possession of, as to managing the but from experience in its treatment is now considermost carefully preserved, by a continuation of the
most until the whole pit was lined round with logs; at the day, rubbed on the tongue of the sound horses with swer the purpose, if the cloth is not of sufficient part of the tongue, after this make use of the tar as very small quantity after the bloom is over; but in the way above mentioned as a preventive, this done early in the spring they are absolutely necessary, failed making a cure. It is not unfrequent with us, that the horned cattle have the same disease, from be carefully taken away, the sides and ends of the disease, I commonly made use of the tar as a preverwas used before feeding them, and while the taste of ments of spectators from rubbing against or breakthe tar yet remained. If the above information ing off the flowers; lines of small twine, painted should be new to you, you can make it known to green, and corresponding with the rows of flowers, A VIRGINIAN.

LADIES' DEPARTMENT.

TULIPS.

(From Maddock's Florist's Directory.) [Continued from page 319.]

By the end of February, every plant in health will be visible above ground; some tall early sorts and the latter sorts just making their appearance; indeed, a very few remarkably late sorts may be a ble on the foliage, about this time, either above, or an inch or two below the surface of the soil, it should be earefully cut out, with a sharp knife, and the wounded part left exposed to the sun and air, which will presently heal it: a fine dry day should be made choice of for this operation.

If the surface of the bed appears to be of too close and solid a contexture, it should be carefully stirred up, about two inches deep, which will admit the air more freely, and prove, in all respects, very benefi-

\$20 34 cial.

By the end of April, some of the plants will probably he grown so tall as to require the hoops to be raised a little, to secure the blo-som from injury: attention to this part must not be omitted, for the blossom is very lender, and likely to be bruised and bring a well blown flower from the offset beds to disfigured, by a very slight blow, or rub against the hoops. As soon as any of the earlier sorts begin to ventilate them. In the estimate above, I have cal- for when its heat is considerable, it will cause the colours to run, and intermix in such a manner as to destroy the elegance and beauty of the flower; some sorts are more particularly liable to this effect than

When the greater part of the blossoms have begun to open, a frame, or awning, should be erected over the bed and paths, nearly similar to that for hyacinths: that is to say, so as to keep out rain, and admit as much light as possible; this must be thrown off, or rolled up at every favourable opportunity, as directed for hyacinths, except that it should be done rather earlier in the morning, and ago, I read an extract of a letter from Dr. Spence, later in the evening: because the sun has acquired which is published in the American Parmer, stating, a greater degree of power at this season of the appearance.

That a disease prevails among the horses in Mary-year than earlier. If these frequent exposures to land, known with us by the name of the sore tongue, the light and air be omitted, the colours of the the petals of many begin to drop off, the awning corresponding exactly with the description the Doc- flowers will be faint and weak, and the grandeur of should be taken down, together with the frame,

disease. It has for several years been prevalent in side, within about three feet of the ground, to this section of country, and when it first made its allow a free circulation of air, except in windy wea appearance, excited much alarm with the farmers, ther; from the effects of which the flowers must be

Tulips never require to be artificially watered, in

eating about the stable where our horses have the beds should be neatly boarded up, and the paths lowered two or three inches, to bring the flowers nearer to the eye: a slight frame, about two foot should pass from one head of the bed to the other, fastened to the end pieces of the frame and stretched tight: to these the stems of the flowers are to be loosely tied with short pieces of green worsted, which will preserve a pleasing regularity of appearance, without stiffness and formality. Tulips will bear to be covered a longer time in bloom than most other flowers, without sustaining any considerable injury: it may be continued three weeks with great safety.

If any roots should perish, or fail to produce bloom, the deficiency may be made good in the following manner: it is necessary, in the first place, to be provided with two strong tin instruments, or week longer before they appear, but not more; if, of tubes, each having two substantial perpendicular examination, any distemper, or canker, is discernation handles, to force the instrument into the ground, and draw it up again, with the plant and earth connected with its roots and fibres; but in order to discharge its contents into the place prepared for their reception, by the other instrument, of exactly similar dimensions, it should be held together on one side by a strong wire, which upon being drawn out, when the plant is placed in the situation it is intended for, will allow the tube to Tring open a little, so as to permit it to be drawn upagain, without disturbing the plant; this tube, or tramplanter, should be perfectly cylindrical, open at both ends, of about twelve inches long, six in diameter, and made of the strongest and best tin plate: one of these tubes may serve to take out the defective pant, with its earth, &c. and the other to substitute in its place; the instrument should be forced into the ground, as deep as its length will admit, otherwise the fibres will be broken off so near the root as to check the growth of the plint; but the operation may be performed with so much dexterity and address, as not to do the plant any material injury, or retard its growth in any considerable degree; it will be proper to give the newly introduced plant about a pint of soft water immediately, or its stem will be apt to bend a little at first, Those who do not choose to take the trouble of repairing their bed in the foregoing manner, may immerse the lower end of the stems of flowers, taken from the offset beds, in phials filled with water, and sunk into the bed, so as not to appear above ground; these will continue in bloom several days, without requiring to be changed, and will make a tolerable

boards, &cc. that surround the hed; and the mats The cloth covering should come down on each and hoops may be replaced as before, to throw off excess of rain, as the case may require: and as the leaves or petals of any fall, the seed vessel of such should be immediately broken off, close to the stem,

will become a yellowish brown, and two or three inches of the top of the stem will wither, dry up, and become purplish: this denotes the critical period to take up the roots, because if done earlier, they will be weak and spongy, and if deferred later, their juices will become gross; this will be manifest at the succeeding bloom, by too great a redundance of colorific matter in the petals, and the flowers will be what is generally termed foul.

When the roots are taken up, they are to be gradually dried, and placed in a situation where they may remain so: it will not be necessary to do any thing more to them till August or September following; at which time, it is proper to take off their loose skins, fibres and such offsets as are easily separated; observing not to leave the roots too bare, because the action of the air upon such, would have a tendency to weaken and injure them, by drying up part of their juices: the last brown skin, which is so intimately connected with the root, should remain on it till the time of planting; it should then be entirely stripped off, and the root left perfectly bare and white; but it should be performed with great eare, to avoid bruising or wounding the rout, especially at the lower end, where the fibres are formed, which is at this time extremely tender, and Course, and won by Eagle, beating his competitor will scarcely bear to be touched: a small sharp-for the golden prize, two successive heats. The pointed penknife is the best adapted instrument for this operation.

The smallest and weakest offsets, particularly such as are not provided with a brown skin, may be replanted as soon as they are taken up, about an inch and an half deep, in a fresh sandy loam, in a dry situation, and the bed defended from heavy rains by means of mats and hoops, as before; or instead of replanting these offsets so early, they may be preserved from the air, by being buried in dry sand till the autumn, and are then to be planted with the larger roots, but not quite so deep.

Tohps are hardier, and, of course, less liable to receive injury from frost, than most kinds of flowers: the offsets, and more ordinary kinds, may be platted in any part of the garden, from two to four inches deep, according to the size of the roots, in a good sound soil, with a little rotten cov dung, placed from seven to twelve inches below the surface: the beds should be dug twenty inches deep. and raised six or eight inches above the walks. formed rather convex on the surface, and may be provided with hoops and mats, to be used as circumstances require.

(To be continued.)

THE MOTHER.

Ah! never may that thoughtless heartless thing, The painted gossamer of Fashion's bow'r, Presume to take the hymeneal ring,

Or date usurp a Mother's tender pow'r;-Enough for her to "roll the giddy eye,"

To dance, and sparkle, in the midnight hour-Unheard her feeble infant's pleating cry, Unmark'd the withering of that blighted flow'r.

Canst thou to menial vice and skilless care Leave the sweet babe, that nestling seeks thy breast,

Its home, its being?-Fragile as 'tis fair, And in its own endearing weakness blest-Canst thou do this, and smile? Nay, canst thou live Beneath the sense of such deep guilt opprest? Guilt which one sinner only can forgive, The pander parent whom e'en friends detest.

Unhappy in thy error-know, to thee (For thou art human,) pain, and age, advance; That blooming check shall fade—those bright eyes

night longer, by which time the grass, or foliage, Disease on those light limbs her hand shall lay, (That stern destroyer of life's young romance,) And Time compel thee, with the old and gray To take thy place in Death's terrific dance.

> Ah! hope not then, that kindly pious friend Shall sooth thy suff'ring hour with precent mild, That o'er thy couch in sympathy shall bend The tender husband or the sorrowing child. Far other guests on that dread seene encroach, (No longer now neglected or revil'd,)

Regret, remorse, and ceaseless self-reproach. There howl in fierce revenge their descant wild.

SPORTING OLIO.



THE NORFOLK RACE.

On Saturday, 23d inst., agreeably to appointment. the match race for \$2000, two mile heats, between Eagle and Sally Hope, was run over the Norfolk race afforded the highest gratification to the lovers of the sport, and both heats were elosely contested, the winning horse coming out each time a little more than his length ahead. The first heat was run in 3 minutes and 51 seconds; and the second in 3 minutes 50 seconds. They are both among the finest horses that ever graced our turf; and it was he opinion of some of the most eminent connoiseurs, that for a two mile heat Eagle might chalenge any horse in the United States. At the same ime, but little less can be said of his competitor, considering how very little he had to brag of in beating the race.

The course was thronged with spectators, among whom were some who had not been to a race for a great many years-such was the prevailing excitement. Betting, we understand, was, with very few exceptions, even, and considerable sums were staked. Eagle is owned by Mr. Jacob Keith Wray, of Hampton; Sally Hope, by Messrs. James and George Garrison, of this town .- [Norfolk Herald. -

SPRING THE CHAMPION-SIX TO ONE.

On Saturday last, six fellows, some of whom had been employed in selling bargains in the shape of attention. It is certain that the flavour of every fish silk handkerchiefs, to those who are so weak as to which has yet been tried has been improved, and I suppose the tramping hawker can undersell the can vouch for the superiority of the bass, the mulrespectable tradesman, took a funcy to the Booth let, the loach, the atherine, and the sole, from the hall tavern, in this city, as their domicil for the day, pond to those from the sea. This might be expectand, tempted by the good things it afforded, drew ed. for it is what happens notedly with respect to largely on the landlord's stores. When the time oysters. of payment arrived, however, they seemed very unwilling to "come to the scratch," and fought shy of same size from the sea, and its skin also becomes exposting the cash. Spring, the renowned champion tremely dark, or nearly black. and landerd, civilly pressed his just demand, but met only with insolence and abuse. At length three and loses its spots. In some eases, it appeared three of this "respectable" party, feeling their valour wax times as thick as in the sea. The bass also turns warm, and forgetting the kind of person they had to much thicker, and improves in delicacy. deal with, rose to pay the champion off in a kind of a satisfactory receipt for, in the shape of sundry re membrances that leave aches, and pains, and bruis es, on those who have required such acknowledg ment-in short, they vowed, with one accord, they and while, formerly, there were none of the former would serve him out handsomely. Spring, however two, the water is absolutely swarming with them. declined the honour, and with equal temper and discretion, retreated from his furious assailants, stop- it is now easy to take a cart-load at once, where ping their blows, and smiling at their vain attempts formerly a dozen or two vas a large capture. I to touch him. He immediately sent for a constable, have thus, also, more distractly ascertained, and to but the guardian of the law declined to attend, for the satisfaction of Cuvi r, who had been unwilling

ing that the law refused to protect him, and the fellows still insisted on thrashing him, with violent abuse in reply to his repeated attempts to induce them to be quiet, he at last very properly, goaded by the most ontrageous provocation, determined to adopt the shortest method of quieting such characters, and requesting the persons present not to ioterfere, after every peaceable remonstrance had failed, he proceeded to expel the intruders: three of them rushed at him at once, and he was soon surrounded by the six. Perhaps in his best days he never showed such science, coolness, and courage, as he displayed on this occasion. With admirable quickness he stopped and returned in a manner his cowardly assailants will remember as long as they live; right and left, every blow told on their sconces, and on one occasion they were all down together. In less than twenty minutes they were completely brought to a stand-still, and the champion acknowledged the victor-coolly observing that he could thrash twenty such in an hour. They were all stout fellows, at least 13 stone each .- [Hereford Journal.

WISCELLANEOUS.

NATURAL HISTORY.

ON THE TRANSPORTATION OF FISH FROM SALT TO FRESH WATER.

By J. Macculloch, M. D. F. R. S. &c. [Jour. Roy. Inst.]

You expressed a desire to know the progress which has been made in the transplantation of fish from salt to fresh water, since the period at which I communicated the paper on that subject to your Journal. Mr. Arnold, who has carried on these experiments, at my wish, with great zeal, has sueceeded in adding many more to the list, and both in respect to the physical fact, and to the question of economy, the success has been far greater than any one was willing to believe.

The list of the additional fish will be seen by comparing that which is appended to this letter, with the furmer one; and as the subject has excited considerable attention, and you will perhaps not object to a statement which may attract even more, hy presenting, in the form of a prospectus, the essential facts and arguments. It is only by placing them in this form that they are very likely to produce the effect which appears desirable. I may now, however, subjoin some remarks which could not well find their place in such a statement, and which have been the result of more experience and

The sole becomes twice as thick as a fish of the

The plaice also increases materially in thickness,

The mullet also ceases to grow in length, but encoin he has atways been particularly handy in giving larges in breadth, and presents a much deeper layer

Crabs and prawns have found their way into the pond, as have loaches, and some other small fish; Thus, also, apparently, the eels have multiplied; as New beauties far outshine their warning glance; which, doubtless, Spring knows his remedy. Find- to admit it, that there are two species of fresh waand breadth of the nose.

I have lastly to add an observation inadvertently be used as an a priori argument for the possibility one to preserve fish alive, after being taken, instead of this transplantation. It is, that oxygen is much of suffering them to waste, to render them better in more easily disengaged from fresh than from salt quality, and to supply them more regularly. water. Consequently the act of respiration ought that sea fish cannot respire fresh water.

to reject the term urasse, for the present, as it offal, or other matters easily procured in a great wall, and that it is, in particular, crowded with crabs stands a species; whereas the whole of this genus city, as was the practice of the ancient Romans. (lobras) is still in extreme confusion, and in one, which I hope to aid in rectifying, with the assistance nets, the kinds in demand and the quantity, selected, which belonging naturally to the sea, have been of Cuvier's materials and our own species.

for the London Market.

From various observations and experiments, of ble ones would not be lost which evidence is subjoined, it has been found, that sea fish will live and thrive, and also breed, in ponds would be in purchasing and enclosing a tract of viously injured, ur nearly killed in the taking of the salt.

It is also found that they may be fed in such enclosures, if necessary, as our domestic animals are; but that if sufficient numbers and kinds are placed further care.

It is further observed, that every, or almost every species, improves in flavour and quality, as oysters cability of this scheme, are the following: are known to do, under transplantation.

It is well known, that, of all the fish brought to number of bad fish so well known to fishinungers.

It is much better known, that from bad weather glut. It is not uncommon for a glut to come in Lon-chiefly on fish don when the town is empty; and, on the contrary,

for it to want fish when full.

The proposed plan, if executed, would bring the fish within our own power, to be taken alive when wanted, and, from being better fed, in greater perfection and nore uniformly good. It would be like taking stalled oxen, instead of wild Scotch cattle. It would also enable the merchants to regulate the supply by the demand, and thus to satisfy better the public and themselves. The trade would be steady instead of precarious; as the prices to the public would also be. It would be conducted, directly between the public and the grower, or with the intervention of one retailer only, and thus a heavy cause of complaint be removed. Lastly, the public would at moderate prices,

Such are the proposed advantages. As far as the species that breed in such commement, the fish value of the ponds, proves the great extent of these would re pruduce themselves, or a pond of this na |repositories. ture would resemble a common fish pond. For those that will not, if there are any such, the pond would under the direction of the writer of this note, in tution, all persons interested on the subject, are be mere repositorics for keeping alive, till there was Guernsey, by Mr. Arnold. In a poind of about four hereby informed, that application should be made a demand, for the fish brought into them from the acres only, many sea fish, which will be found in by letter, addressed to the Secretary of War. Apbad fish to improve .- Thus far, the fisheries would which have had sufficient time have propagated; all himself, his parent, guardian, or any of his relatives go on as before, and the fishing trade would conse have improved in quality, and many very remarka or friends. No particular form of a letter is requir-

ter cel, distinguished by the comparative acuteness market, and more moderate prices, the consumption and can supply the market when the weather prewould be augmented.

unitted in the former communication, which may score of injury to fisheries. The plan is, virtually, eels have multiplied a thousand fold, so as them-

to be easier in the former than in the latter; and, nient part of the Thames, (since the quality of the peculiarly satisfactory, as far as relates to the indiftherefore, it is not to be presumed, as it has been, water is proved to be indifferent) a space sufficient ference which sea fish possess as to the quality of for the purpose. A dock, or an excavation in the the water. Being embanked from the sea, and re-As I have given the shad without its Linnæan nature of one, would be unnecessary, as the water name, I think it right to add, that our shad is yet itself, in many places not navigable, might be enmer, it varies, so that while it is perfectly fresh in unnamed; because the Clupea Alosa is the Alose of closed by a palisade. In this, the fish would be re winter, it is nearly salt in very dry weather, and the French, common in the Scine, and on the other ceived from the fishermen, by means of well boats, brackish in various degrees at intermediate periods, coast of Normandy: a fish as good as our own shad alive. Those which chanced to die would become libere also, it is remarkable that while the larger is detestable, and a decidedly different species of the food of others. Many would breed, as they fishes have been placed there, many of the smaller this troublesome and ill understood genus. If I have have been found to do, and thus also produce food ones, which formerly shewed no such desire, have given the vulgar term rock fish, it is because I wish But they might also be fed, by means of butchers introduced themselves through crevices in the sea

and the bad-fish also returned for improvement. A found to live in fresh waters. Some of these have steam boat would supply them to London daily, and been forcibly introduced, others seek it for them-Prospectus of a plan for preserving and rearing Fish to any market which might be established; and they selves. If the list is still limited, it is because the

and enclosures; and with regard to many, it also water, and in the general establishment; possibly transportation. The star indicates those which have appears that it is indifferent whether the water is in stocking the pond. It could not be very large, been forcibly naturalized in Mr. Arnold's or some salt, or fresh, or brackish, or alternately fresh and but no estimate is now pretended to be given, nor other pond. any place pointed out; that needs not, however, be Conger very near to London, as a steam-boat would ap- Torsk proximate any distance. After this, the fish would Sprat be purchased from the fishermen by contract; and Shad together, they feed each other without requiring the establishment beginning to sell, would then pay Alose (of the French)

The details of evidence in support of the practic Greater Lamprey

There are three or four seaponds in Scotland Stickleback where fish are thus kept; one in Orkney, belonging Cotus quadricornis market, a very small proportion is in good condito Mrs. Stewart; one on the Firth of Forth, belongtion, the rest being apparently ill fed; and hence the ing to Sir Robert Preston; and one in Galloway, belonging to Mr. Macdowall.

On the Greek coast of the Adriatic, at Missoor other causes, the supply of the market is very longhi and elsewhere, the same has been practised irregular. Thus, the public suffers when the sup- from immemorial time. It is the current practice White Whale ply is very short, and the merchant when there is a also of Bermuda, where the inhabitants subsist *Horse Mackerel

> These are sea ponds as the water is salt. But in Prawns Sicily from the most ancient times also, the natives Cod transport lobsters and crabs to a fresh water and muddy lake, for the purpose of improving them, as not also be cultivated, whether they would breed or they also do mullet.

the testimony of Columella, and the other writers, different climates than between those of the air. An ers, in the earliest days of the Republic, to go down ash, after an unknown length of residence. to the sea and bring up the spawn of sea fish to the fresh water lakes of Rome, where they multiplied and improved. It was a branch of tarming. It became the amusement and luxury of the rich and be always sure of fish, and it would be sure to them, great in the times of imperial Rome; enormous establishments of this nature were formed, and the fish were often fed at an expense which, as well as the

the contrary; because, with a better regulated only a few cels; at present it produces a large rent, guide, viz:

vents the boats from going out. It is remarkable There can be no objection, therefore, on the also, that, since the introduction of the sea fish, the The plan, therefore, is, to enclose, in any conve may be added; that the evidence from this pond is ity, as was the practice of the ancient Romans.

From the enclosure, the fish would be taken by

It is now necessary to subjoin a list of the fishes

might even be brought up alive, so that the unsalea, rest have not been tried; for no fish on which the experiment has been properly tried has failed -

*Bass Loach Red Loach *Smelt *Atherine clupea alosa *Rock-fish *Cuckoo fish *Old Wife Lesser Lamprey *Sole *Turbut Mulet Sand Eel *Plaice Rockling Flounder Whiting Pout Red Flumder, pleuron-Mackerel ectes toseus Herring Crabs *Ovsters Pollack *Muscles Shrimps

There appears no reason why the turtle should not The peacock, pintado, pheasant, and common With respect to fresh waters, we have evidence of fowl, are the natives of hot climates, and have long the power of keeping and improving sea fish in them, been naturalized to cold ones; and there is far less from the practice of the ancient Romans. From difference between the temperatures of the water in "de Rustica," it was the practice of the Roman farm excellent turtle has been taken in the Tamar at Salt-

| Boston Journal of Philosophy and the Arts.

WEST POINT MILITARY ACADEMY.

ENGINEER DEPARTMENT. - Washington, Dec. 15, 1826.

Frequent inquiries being made in regard to the proper mode of procuring admission, as a Cadet, into the Military Academy, at West Point, and in Lastly, this plan has been recently put to the test relation to other matters connected with that Insti-They would also be feeding-places, allowing the following list, are now thriving, and all these plication can be made at any time by the candidate quently not be injured. It would be increased, on bly This pond was at first worthless, containing ed: but the following sketch may serve as a general Place and date.

To the Secretary of War:

I offer myself a candidate for the appointment of Cadet in the Military Academy, at West Point, and request that my application may be considered when the next selection shall be made to fill Cadet. vacancies in that institution.

; and now reside I was born in the state of in the county of , and my , in the county of village of state of : My age is , and my character and qualifications will appear from the enclosed recommendations of (naming the persons recommending) and certificates of my teachers, pro fessors, &c. (as the case may be, naming them.) [Signed]

When application is made for another person, the letter will, of course, be modified to suit the circum-

stances of the case.

No preference will be given to applications on account of priority; nor will any application be en tered on the register where the candidate is under or over the age established by law: nor will any application be considered unless the age be stated, and evidence furnished in support of the character and qualifications of the candidate. No application will be entitled to consideration unless the place of re sidence of the candidate be truly stated. By place of residence, is meant the fixed abode or domicil of the candidate, or of his family. Where the candidate may have removed from the residence of his family and settled in a different county or state, he must be reported from that county or state; but where he is a transient resident of a different county or state from those in which his family live (at school or college for instance.) then he will be located at the abode of his family.

Applications, if not renewed annually, will not be re-considered: this may be done by letter to the Secretary of War, merely stating the fact of such re-

Qualifications necessary for Admission into the Military Academy.

Each candidate, previous to his being admitted, must not be under fourteen, nor over twenty one years of age; nor of less height than four feet nine or infirmity which would render him unfit for the military service, and from any disorder of an infec tiqus character; he must be able to read and write well, and to perform with facility and accuracy the various operations of the four ground rules of arithmetic,-of reduction,-of simple and compound proportion; -- and of vulgar and decimal fractions.

Applications for Cadet-appointments when re ceived at the War Department, are referred to the Chief Engineer, who is the Inspector of the Mihtary Academy, has a general supervision over the affairs of the institution, and is charged with its correspondence. They are regularly arranged under with the records and papers connected with the of the country, in proportion to the number of Sen-Academy, is kept in the Engineer Department, ators and Representatives in Congress. which is under the direction of the Secretary of War, ceptance or non-acceptance of their appointments; if they accept, their acceptance must be accompanied by the written assent of their parents or guardited, to be considered at the proper time. ans to their (the Cadets) signing articles, by which they become bound to serve the United States five

years, unless sooner discharged. They are enjoin- UNSTOPPING THE EARS OF THE DEAF. ed to repair to West Point and report themselves to the Superintendent of the Military Academy, between the 1st and 20th of June ensuing; and in the last week of that month, they are examined by the Academic Board in relation to the initiatory qualifications, as above stated. If they pass this examination, they are admitted in probation till the ensu ing examination in January: and if they pass that or in the city, town, or examination in a satisfactory manner, the fact is redated back on the 30th of June, are made out and transmitted to them, and they then become Cadets, and entitled to all the benefits of that appointment,

Should any of the newly appointed Cadets fail to repair to West Point at the time prescribed, and not render a satisfactory reason for such failure, their appointments are considered as cancelled.

Cadets found unqualified to pass their examina tion for admission, are rejected; and it is the duty of the Academic Board to make to the Inspector of the Military Academy, a report of such cases, to be laid before the Secretary of War, setting forth the causes of their failure, and their particular points of disqualification. Should the legal complement of Cadets (250) be not full, and any of these rejected candidates be deemed worthy of a re-examination. and signify a desire to be allowed this indulgence. it is granted to them in the last week of the succeeding August.

Should Cadets who passed their initiatory examination, fail to pass the probationary examination, they, after that event, cease to be members of the

institution.

After each semi-annual examination, the Academic Board report to the Secretary at War the names of all such Cadets of the 4th class as have not made due proficiency in their studies, or whose general conduct has not been satisfactory, and whom they may deem it advisable for the Secretary of War to discharge; the Board noting particularly the moral and military conduct, the habits in regard to study, and the intellectual capacity of each Cadet.

An annual examination of the classes, preparato-

ry to their advancement, takes place on the first Monday in June, in presence of a Board of Visitors, and such other scientific and literary gentlemen as may be invited to attend. Any Cadet found deficient inches; must be free from any deformity, disease, at this examination in the studies of his class, will and a piece of wax, as large as an almond, and pernot be advanced to the next higher class; and if, in the opinion of the Academic Board, his deficiency is to be attributed to incapacity, or want of application, his case is represented to the Secretary of War, in order that he may be discharged.

Though fourteen is within the legal age for admission, yet long observation has demonstrated, that in the general, the proper and suitable age is between 16 and 17; and that youths of 14 must labour under serious disadvantages from the mental immaturity, the embarrassing diffidence, and scanty knowledge incident, in most cases to so tenderan age

The appointments, as before stated, are made anthe heads of their respective states and territorics, nually in the month of February or March; and are and entered in the register of applicants, which, distributed equally throughout the various sections

As a general remark, it may be observed, that no and situated in the War Office. In the month of certain information can be given as to the probable February or March annually, selections are made success of a candidate for admission into the Miliby the Secretary of War from the applicants thus tary Academy, before the arrival of the period for registered to fill the anticipated or estimated vacan-making the selections from the several applicants, cies for the year: and the selected candidates are as the number of vacancies cannot, with any account conditionally appointed Cadets. They are notified racy, be anticipated. Persons, therefore, making accordingly by letters of appointment, in which they applications for Cadet appointments, must not exare directed to inform the Department of the ac- pect to receive information on this point, nor that

ALEX R MACOMB, Major General, Inspector of the Mititary Academy.

[From the Richmond Compiler.]

I am persuaded that in the great majority of cases deafness is caused by some stoppage in the external organs of the ear. If the nerve be sound I can see no impossibility in curing the disease. Let a deaf person put a watch into his mouth, if he can hear the ticking distinctly, he may be assured that the nerve is not injured, and that there is the strongest probability of his being relieved by removing the external obstruction. I do not positively say, because the deaf person does not distinctly hear the ticking of the watch, that therefore the nerve is insensible; for it may happen that the interior tube from the mouth to the ear, may be closed up as well as the external duct to the tympanum. But, if there be any reason to believe that the nerve is good, the deaf person should not despair, but resort to the proper expedients for relief. I am acquainted with a gentleman from whom I have received the follow-

ing account of his deafness and his cure.

He had been a long time incapable of hearing: As he says himself, he was as deaf as a post. Even the voice of a Stentor could not reach him. Some time since, he was fortunate enough to meet with a young physician, bold, and persevering, who told him if he would put himself under his practice, he was satisfied he could administer relief. The deaf gentleman was very far from being sanguine; indeed, he did not permit himself to entertain much hope, but determined to try the experiment. The first thing the physician did was to procure a powerful syringe, more than a foot long and two or three inches in the pipe. With this he began to inject warm water copiously into the ear; then varying with a solution of Windsor soap, and sometimes with warm milk just drawn from the cow. Occasionally pluggets steeped into oil of almonds were introduced into the ear, and the ears were tied up with handkerchiefs. The gentleman piqued himself on his perseverance, and well was he rewarded for it. For six days there was no sensible good effect produced. but after that time, and on repeating the injections with the syringe, a small quantity of hardened wax came out, and for the first time the voice of the physician broke upon the ear of the patient. This encouraged him to the repetition of the experiments, feetly hard, came out; and from that time to this, the gentleman has heard as well as any of his acquaintances. The only protection he uses is in case he catches a little cold, to tie up the head, or use a little cotton dipped in oil.

He is now convinced that in nine cases out of ten. deafness proceeds from similar causes, and may be cured. We have persons professing to cure most of our diseases; we have oculists for the eye, dentists for the teeth, ladies to cure stammering (I think the tongue falls properly within their jurisdiction.) Why have we not professional gentlemen who make it their business to "unstop the ears of the deaf?" am sure that if I were as deaf as some of my friends. and all sort of communication "at that sense quite shut out," I would freely give a good thumping fee to any person who would cure me. I would spare neither money nor pains to recover one of the five senses, and that so important a one, which Providence has given me. In fact, I am not very certain that the time will not come when surgery will be able to cure those who are born deaf, as she does those who are born blind. But hypothesis apart! All I now abide by is the fact I have stated.

PHILOS.

SYBILINE ORACLES.

[From the Richmond Whig.]

Extracted from an old edition of Merlin's Prophecies, supposed to have been written about a thousand years ago; imprinted at London by John Haw- vulgar error respecting the putting of spirits kins, in the year 1530. For an account of this extremely valuable and scarce book, vide Swift's works, vol. 3. p. 214, ed. 1766.

When the savage is meek and mild, The frantic mother shall stab her child.

When the cock shall woo the dove, The mother, the child shall cease to love.

DI.

When men, like moles, work under ground, The lion a virgin true shall wound.

When the dove and cock the lion shall fight, The lion shall crouch beneath their might.

When the cock shall guard the eagle's nest, The stars shall rise all in the west.

When ships above the clouds shall sail, The lion's strength shall surely fail.

When Neptune's back, with stripes is red. The sickly lion shall hide his head.

When seven and six shall make but one. The lion's might shall be undone.

Verse 1st.-The settlement of America by a civilized nation is very clearly alluded to in the first to prevent snow water or rain from penetratline. The frantic mother is Britain-America the

Verse 2d .- The cock is France, the dove America-Columbia: their union is the epocha when America shall cease to love Britain; for so I understand slightly over the edges of the sole where the statches the propliecy, in which there is manifestly an equivoque; which is one of the most striking characteris-

tics of the ancient oracles.

Verse 3d .- The siege of Yorktown, where approaches were carried on by working in the earth. In the second line there is another equivoque. We are told by Mr. Addison in his Spectator that a lion will not hurt a true maid:—this at first seems contradicted by the Prophecy: but it will be found, that at the epocha referred to, the virgin, or Virginia (as all North America was then called in Europe) shall in the state of Virginia, authorized to receive sub-

Verse 5th .- This certainly refers to the period when France (the cock) guarded the home of Americans (the eagle's nest,) and assisted the States at the residence of John B. Morris. A full meeting (the stars) to attain their independence—that is, to is earnestly called for. Should indispensable busirise in the western hemisphere.

Verse 6th .- It is very remarkable that the properties of inflammable air by which balloons first traversed the upper regions, were then first discovered, and fully suggested.

they are here evidently called ships.

Verse 7th.-When America's navy covers the sea with red stripes, Britain's will be humbled. Verse 8th .- The thirteen States first confederated.

RECIPES.

COMPOSITION FOR RESTORING SCORCHED LINEN.

Boil, to a good consistency, in half a pint of vine-gar, two ounces of fuller's earth, an ounce of hen's dung, half an ounce of cake soap, and the juice of six Pedlars—On the transportation of Fish from sait to Boil, to a good consistency, in half a pint of vinetwo onions. Spread this composition over the whole of the damaged part; and, if the scorching were not quite through, and the threads actually consumed, after suffering it to dry on, and letting it receive a subsequent good washing or two, the place will appear full as white and perfect as any other part of effects of culd in boats or shoes: To prevent show: the linen.

INTO BOOTS AND SHOES TO PREVENT THE EFFECTS OF COLD.

The custom of pouring brandy into the boots or shoes, when the feet have got wet, with a view to prevent the effects of cold, is a practice which (though very common) is founded in prejudice and misconception, and often proves fatal, by bringing on inflammation and consequent obstruction in the bowels. This practice is adopted upon the supposition, that, because spirits, when swallowed, excite an universal warmth and restore the circulation in the extremities, they must do the same when applied to the extremities themselves. But the reverse happens. Fluids, when evaporating, produce cold and the lighter or more spirituous the fluid, the more quickly it evaporates, and the greater is the degree of cold generated. This may be proved by a very simple experiment. If one hand be wetted with spirit and the other with water, and both are held up to dry in the air, the hand wetted with spirit will feel infinitely colder than the other; or if the bulbs of two thermometers be so treated, the mercury will be observed to fall much more rapidly and extensively in the one case than in the other .-Whatever danger, therefore, arises from cold or damp feet, it is generally enhanced by the practice alluded to. If such a remedy is to be at all employed, if ought, undoubtedly, to be taken into the stomach,

ING THE SOLES OF SHOES OR BOOTS IN WINTER.

This simple and effectual remedy is nothing more than a little bees-wax and mutton suet, warmed in a pipkin, until in a liquid state; then rub some of i are, which will repel the wet, and nut in the least prevent the blacking from having the usual effect.

THE FARMER.

BALTIMORE, FRIDAY, DECEMBER 29, 1826.

45-RICHARD HILL & Sons are now the only agents Verse 4th.—Alludes to the alliance between Prize from the Richmond post office.

France and America; before whose might Great Britain crouched.

RAL Society, are notified that their next meeting will be held on Thursday, the 11th of January next ness necessarily cause the absence of any of the members from any of the future stated meetings. the propriety of giving notice of that fact is respect-

FThe thermometer, in this city, at 10 o'clock yesterday morning, stood at 15 degrees.

CONTENTS OF THIS NUMBER.

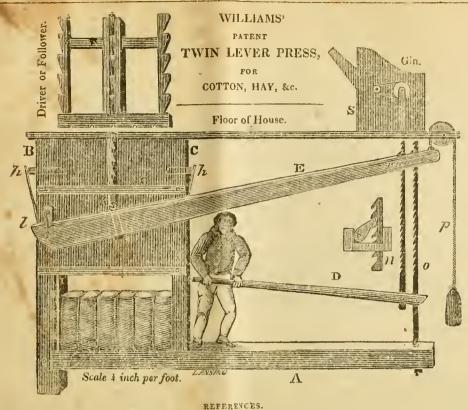
Sketches on 'griculture, by A. W. Foster, Esq. of Greensburg, Pa., President of the Westmoreland Agri-cultural Society—Seed Corn and remarkable Wheat— On the construction of Ice Houses-How to prevent, and how to cure the Sore Tongue in Horses-Culture pear full as white and perfect as any other part of effects of cold in boots or shoes; To prevent snow or rain from penetrating bouts or shocs.

PRICES CURRENT.

S	PRICES CURRENT.								
		1	HVI	HOL	E G A	TE	1	DET	FAIL.
ı	ARTICLES.	per.					1		_
r			H	om	1	to	ir	oni	10
0	BEEF, Baltimore Prime,	bbl,	8	00					
	BACON, and Hams,	lb.		6	2	10		9	12
1	BEES-WAX, Am. yellow	1	1	29				9	
1	COPPER LOS	-				30		00	50
•	COFFEE, Java,	-		16	1	161		20	20
Š	Havana,	-		14		17			20
e j	COTTON, Louisiana, &c.	-	Į	11	1	14	1		
4	Georgia Unland		ì	10	1				1
	Georgia Upland,				-	12			1
е	COTTON YARN, No. 10,	-		28			1		
0	An advance of 1 cent	-	1						1
	each number to No. 18.				1		{		
1	CANDLES Mould	_		13		16		16	1.0
е	CANDLES, Mould,							10	18
;	Dipt,	-		11		13			15
	CHEESE,			61		12		12	15
9	FEATHERS, Live,		i	30	1	32		37	
e		133	0			0~		31	1
	rioti, ticirings, sus.	bbl.		375					
y.	Shad, trimmed,			50	6	00		- 1	
d	FLAXSEED,	bush	1	00	1	10			
е	FLOUR, Superfine, city,	bbl.	4 3	571	5	00			
	Fice	.,,,,,,,,,		75				- 1	
	Fice,	-	-3				1		
e	Susquehanna, superfi.	-		0.0					none
	GUNPOWDER, Balti	25 lb	5				5	50	
	GRAIN, Ind. corn, yellow	bush	1	52		58			
d	white			52		58			10.0
3			3	05	1	121			
r	Wheat, Family Flour,	-	1		1				
	do. Lawler, & Red, new			90		95			
e	do. Red, Susque			95					
	Rye,			75					
P	Karley Factors		1	22	1	25		3	
9	Barley, Eastern			90					
1	Do. country				1	00		_	
١	Clover Seed, Red	bush	-4	50	5	00	5	50	
3	Ruta Baga Secd,	lb.		87			1	00	
	Orchard Grass Seed,	bush.	3	50					e1 042 e
			1	25			1	50	none
e	Mangel Wurtzel Seed,						1	50	
2	Timothy Seed,	—	4	00			5	00	
5	Oats			40				50	
t	Beans, White,		1	25	1	50	2	00	
3	HEMP Duosia aluar	1.00	200		210				
t	HEMP, Russia, clean, .	ton							,
1	Do. Country		120		201	J			
	HOPS, 1st sort, (1826)	lb.		20				25	
	HOGS' LARD,			7		10		12	
1		Ib.		61		64			
	LEAD, Pig	10.		71		S			
	Bar			21		23		32	
-	LEATITER, Soal. best,			~ I					
	MOLASSES, sugar-house	gal.				50		25	75
	Havana, 1st qual	_		30		32	S	74	
-	NAILS, 6a20d	lb.		61				9	
0			1	50	1 (321			
S	NAVAL STORES, Tar,	bbl.			•	~ 2			
-	Pitch,	_	1	75					
0	Turpentine, Soft,	_	1	75					
	OIL, Whale, common, .	gal.		35				40	
-		D.11.		50		85		68	
	Spermaceti, winter .	1,2.1	11	00	11	50			
	PORK Baltimore Mess,	bbl	11					ì	
	do. Prime,	-	8	50	9	00		1	
	PLASTER, cargo price,	ton.	3	50	1				
7	ground,	bbl.		50					
				34		4		5	
9	RICE, fresh,	lb.		10				18	20
2	SOAP, Baltimore White,	lh.		12		14			
-	Brown and yellow,			51		S		10	12
e	WHISKEY, ist proof, .	gal.		36		SS			50
	PEACH BRANDY, 4th pr	8		75		00	1	25	
,				31				50	
-	APPLE BRANDY, 1st pr	- 21	10		10		14	-	15
	SUGARS, Havana White,		12	50			14		
-	do. Brown,		19	00	10	50			
	Louisiana,	_	7	15	9	10	10	Í	11
Z	Loaf,	lb.		19		22		20	22
		2.51		70			1	00	
	SPICES, Cloves,					10		12	18
3	Ginger, Ground,			7		12		t	10
	Pepper,	-		15		16		25	
	SALT, St. Ubes,	bush		43				75	
f	Liverpool ground	_		54				75	
-		elb.	8	50				12	
-	SHOT, Balt, all sizes,				0	00	3	50	4
_	WINES, Madeira, L. P.	gal.	2	50	3	00			
2	do. Sicily,		1	10		15	j	50	2 00
2	Lisbon,		1	05	1	10	1	50	1 75
1	Port, first quality,	gal.	1	65	1	85	2	50	
1		lb.		30		35	3		
3	WOOL, Merino, full bl'd						1		h²c on
	do. crossed,	_		20		23	· >		rep's
7	Common, Country, .	-		18		22			& free
	Skinners' or t'ulled,			20	1	25	1	ron	tugs.
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3	Printed every Friday, at	\$5 F	er	211)	THE	n, f	or.	301	HN S.
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SKINNER, Editor, by John D. Tor, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.



A. Bed. 16 feet long, 25 by 12 inches. B. Cheek, 11 do. 25 12 do. Cheek, 10 6 do. do. D. Handle, 10 do. 6 4 do. Levers, 17 do. 16 6 do. Driver, do. 22 do. Do. ends. 4 do. do. Follower, 5 do. 22 8 do. Bars. 6 do. 5 4 do. 14in. 10. Keys, 4 Plank. 36 do. 22 Sides, 69 do. do. 60 31 do. Fulcrum, 38 do.

Crossbar, 38 feet long, 12 by 6 inches. t Hooks, 37in long, 2 by 1 inch. To first projection, 16in, the others 81 inches. Evebolt welded in, 17 inches long, 14 square. n. Bar, 78in long, 1½ by ½in teeth fin. apart.
b. Bar, 102in long, 12 by ½in teeth the same. Eyeholt to do. 14in. long, 1in. square. 2 by 3 Palls, 21 Rests of do, Bolts. 36 ain round. Cap of Driver. 22in. long, 21 by 1in. Staples for do. 6in. shanks \$in. square.

for shipping. It should never be put in round bales, it injures its appearance—the carriage is higher. The above drawing represents a press placed 300lb., and freight and storage is less. Every per-themselves; what n gains, o bolds; when the levers also be obtained of S. Cochran, Richmond, Sceva son owning a gin, should have a good press built in are down to D. the springs force the keys into scarfs Thayer, Petersburg, Va, I C. Stedman, Raleigh, the gin house; the most important points are, that it in the driver, and confine it down, while the levers and T. Nash, Milledgeville, Geo. should be cheap, durable, not liable to get out of are raised for a new hold: this operation is repeated order, and worked with few hands expeditiously eight times to complete a bale, and can be done in Horizontal presses will not make handsome bales, fifteen minutes. After the bale is roped, the wedges the lower end is harder and larger than the upper; are driven back, which loosens a moving plank, I, the cotton cannot be so well stowed in the box. and the bale is relieved and easily rolled out. The Cast iron cog wheels cannot be depended upon in power of this press is so great, that I have put cold weather. Iron screws are costly, work slow, 460lh, of cotton into five yards of bagging, with with manual power, and have great friction. Wood one man; and I have taken a bale of hay, packed cultural Societies of South Carolina was held in Co-

No. 42. -vol. 8.

Cotton is the most valuable export of this countion of all powers; but a single lever being over the try, and it should be repared in the best manner box, there is no facility for putting in the cotton;

Joints of Levers, Sin. long, gin. do

and it must be compressed for shipping. It should under the gin; the driver is taken out through the be packed in damp weather, or as soon as ginned; floor and set aside; the cotton is then put in with it loses in wight by remaining open; hence the importance of a press in the house. The bales should have two, one on each side, framed together; strong have from 5 to 7 ropes, and be 41 or 5 feet long; if iron hooks, fast to the levers with eye-holts, play two withs of bagging, 21 inches square, and weigh through openings, and take hold of iron bars in the 3000. If two and a half widths, 22 by 30 inches, driver; the two iron bars and palls are like the rag and weigh 400lb. (Cotton can be pressed too hard;) of a saw-mill; the rest and pall. (shown large at n) the city of New York, at Messes Hunt and High's, tte latter size is preferred, because three bales of set on the cross-piece, and both bars go through it; 74 Wall street; they will furnish patents, models, 400lb. can be pressed sooner than four bales of the handle is worked as in pumping; the palls feed and irons, and ship them to any sea port; they can

doubly guarded from danger; the operator cannot be hurt should any part break; the irons are all wrought, and can be repaired by any smith—the hooks feed themselves, and cannot be forced out of place; the strength of the iron is increased, as the pressure requires; at the first hold, the iron is threefourths of an inch square; at the last hold two by one inch on each side; -a short handle can be used first, to expedite the operation; it may appear com plex in the drawing, but it is simple in its operation.

There can be more bales packed in it, than in any other, with equal force. By making the bed, levers and handle longer, there is more power, but slower work. White cak is the best timber, but yellow pine is very good for bed, cheeks, levers and plank. The driver and levers can be raised by pully or winch, but are more easily managed when balanced by weights-stone will do for weight, and can be carried outside the house. The driver may be connected to the levers by chains, instead of hooks, but the latter is most convenient. The levers may be drawn down by windlass, &c., but there is no way so powerful, compact and durable, as the toothed bars; they are placed three inches apart. The hooks bear, the three last times, on an iron bar, on top of driver. My patent embraces the use of the twin levers in any way

The cost is \$20 for patent-\$30 for irons-the carpenter's work, worth \$25; there are now upwards of fifty presses in operation in Virginia and Carolina. I subjoin the opinion of a few men who used screws, and other presses.

This press appears to possess every advantage which can be desired; it may be put up in a gin house; is easily worked; simple in its construction; of immense power; loss by friction very little; the press box filled with great facility, and must, I think, supersede all others. FRS. H. SMITH.

We have used one of Mr. Williams' eotton prosses, at the Blandford mills, for several months, in which we have packed bales weighing upwards of 400lbs, each, into less than five yards of bagging. We are of opinion, that when well built, these presses are more convenient, compact. powerful, and durable, than any other we know of-and as such recommend them to the public.

R F. HANNON, R. H. TALIAFERRO.

Petersburg, May 17, 1826.

We have seen the cotton press, built in this city, by Mr. Charles Williams, and several bales of cotton that were packed in it; and think it has many important advantages over any other mode of packing cotton that we are acquainted with.

IVILLIAM BOYLAN, JOSEPH GALES, JOHN BELL, LARKIN FOX.

Raleigh, August 28, 1826.

One of these presses can be seen in operation, in

CHARLES WILLIAMS.

New York, November 25, 1826.

UNITED AGRICULTURAL SOCIETY OF SOUTH CAROLINA.

serews require much room; it is inconvenient put with a screw-press, weighing 476lb, and pressed it lumbia, Dec. 4, 1826; when Mr. W. B. Seabrook ting in the cotton; are not durable, three fourths one-third smaller, occupying, when thus pressed, power lost in friction. Levers have the least frie- a space of only twenty-two cubic feet; every part is ed secretary.

Societies, of the election of the following gentle- all other duties appertaining to his office. men as delegates to attend the United Agricultural Society, viz.

Washington

and Wm. Cattell.

Beaufort Agricultural Society-Messrs. William Elliott, W J. Grayson, Stephen Elliott, Jr., and register the proceedings of the Society, and pre-Col. Jacobs.

Agricultural Society of St. John's, Colleton-Messrs.

W. Matthews, and John Townsend.

J. D. Edwards.

Pendleton Farmers' Society-Messrs. David Sloan, Thomas Pinckney, Jr. John E. Colhoun, R. Anderson, and J. N. Whitner.

and T. A. Coffin.

St. Paul's Society-Messrs. G. H. Manigault, W.

Wilkinson, and John S. Ashe.

Simkins, Senr., Jesse Blocker, and Andrew P. But-

ler.

Each of the foregoing Societies being represented, a committee was appointed, consisting of Messrs. constitution proposed by a previous meeting of delegates, for the government of the United Agricul- which may have been read before them. tural Society, to report on the 6th inst, and the meeting adjourned.

Wednesday the 6th inst. and the following dele-subscribe to these articles for their Society.

gates attended.

Messrs. W. B. Scabrook, J. W. Matthews, J. Townsend, J. Cuthbert, Wm. Cattell, T. Smith, Jr. Littled to one vote.

James Rose, William Elliott, Dr. J. S. Bellinger, A. Patterson, B. H. Brown, J. D. Edwards, Dr. J. raising funds to meet its exigencies, each Society board cover is then thrown over the cask, and the A. P. Scott, J. S. Ashe, T. Carr, J. W. Allston, C. agreeing to send a delegate or delegates and significant through the mass; inches and covered to the level of the chimes with clay; a loose board cover is then thrown over the cask, and the contents are ready for use, in one or twelve months, light through the level of the cask is let into it, about six inches, and covered to the level of the chimes with clay; a loose board cover is then thrown over the cask, and the contents are ready for use, in one or twelve months, light through the case of the cask is let into it, about six inches, and covered to the level of the cask is let into it, about six inches, and covered to the level of the cask is let into it, about six inches, and covered to the level of the cask is let into it, about six inches, and covered to the level of the cask is let into it, about six inches, and covered to the level of the cask is let into it, about six inches, and covered to the level of the cask is let into it, about six inches, and covered to the level of the cask is let into it, about six inches, and covered to the level of the cask is let into it, about six inches, and covered to the level of the cask is let into it, about six inches, and covered to the level of the cask is let into it, about six inches, and covered to the level of the cask is let into it, about six inches, and covered to the level of the cask is let into it, about six inches, and covered to the level of the cask is let into it, about six inches, and covered to the level of the cask is let into it, about six inches, and covered to the level of the cask is let into it, about six inches, and covered to the level of the cask is let into it, about six inches, and covered to the cask is let into it, abo Flagg, T. Pinckney, Jr., D. Sloan, R. Anderson, J. ing these articles, shall pay into the treasury twen- as may be required. Blocker, A. P. Butler, and J. N. Whitner.

The following Constitution was considered and

adopted.

The undersigned Agricultural Societies, with a view to establish an union, to ensure an accordance in their sentiments and measures, to found an Agricultural School and a Professorship of Agriculture, to collect and disseminate information, and the constitution. more effectually to promote the permanent interest of their vocation, do agree to unite under the name tural Society by electing its officers and style of United Agricultural Society of South Carolina, and to adopt the following as their articles of association.

Article I. There shall be held annually on the first Monday in December, a general meeting of the So-

victies by delegation at Columbia, S. C.

Art. II. It shall be incumbent on the Societies composing the union, each to appoint not less than two, nor more than five members; and it shall be their duty to furnish the delegates with a certificate of their appointment after the following form: At a meeting of --- on the --- day of --- 18---, A. B. C. D. &c. were duly elected delegates to represent this Society in all meetings of the United Agricultural Society of South Carolina, for two years, commencing from the first Monday in December.

Art III. The officers of the Society shall consist of a President, two Vice Presidents, Treasurer, Recording Secretary, and a Committee of Correspondence and Communication, (who shall elect their her from each of the constituent Societies.

Art. IV. It shall be the duty of the President to ground not less than one acre.

Certificates were presented from the different preserve order in the general meetings, and perform

Art. V. In the absence of the President, at any meeting, the senior Vice President to take the chair, South Carolina Agricultural Society-Messrs. T. and in the absence of the President and Vice Pre-Smith, Jr., James Ferguson, James Rose, and Wm. sidents, the Society to appoint a President from the homespun osnahurgs, by Mr. J S Deas; and peas, members present. If any other officer is absent, the for distribution amongst the members, by Dr. J. St Andrew's Society-Messrs. James Cuthbert, Society shall nominate a member to supply the va- Ramsay, were severally presented to the Society at

cancy pro tem.

Art. IV. The Recording Secretary shall faithfully

serve all papers entrusted to his charge.

Whitemarsh B. Seabrook, Wm. G. Baynard, John receive all subscriptions from the different constituent Societies, pay out such sums as may from papers, be requested to give each one insertion of Farmers' Society of Barmcell—Dr. J. S. Bellinger, time to time be authorised by the Society, and shall Angus Patterson, W. J. Duncan, B. H. Brown, and submit an annual report of receipts and expenditime to time be authorised by the Society, and shall the same.

Art. VIII. It shall be the duty of the Committee to collect such important facts and suggestions relating to agriculture and rural economy as may be St. Helena Island Society-Dr. John A. P. Scott, offered in their respective districts or elsewhere, and to communicate them to the Chairman one

month before the annual meeting.

Art. 1A. It shall be the duty of the Chairman of Winyaw Farming Society-Messrs. Thos. Carr, the Committee, who shall be ex officio Correspond-E. Flagg, J. W. Alston, B. Green, H. A. Middleton, ing Secretary, to collate and digest all such reports and J. II Reid. Columbia.

ty dollars.

this union shall form a quorum to transact ordinary prose translation of the admired Italian poem "Il Cabusiness, but a less number may meet and adjourn pello di Paglia," or he Straw Hat, by Signor Marco from day to day. Two thirds thereof shall form a Lastri, late President of the Academy of Agriculquorum to appropriate money, but it shall require a ture at Florence; containing details of sowing the concurrence of a majority of the whole to alter the seed, gathering, preserving, and separating the

The meeting then organized the United Agricul-

Whitemarsh B. Seabrook was elected President. Col. Thomas Pinckney, Jr. 1st Vice President.

Thomas Smith, Jr 2d Vice President. Joseph N. Whitner, Recording Secretary.

William Elliott, Treasurer.

and Communications.

tural Society, the following resolutions were sub-

mitted and adopted.

Resolved, That it be recommended to every fine poem. member of this Society, to use his best efforts for

An original communication was also received from Mr. N. Herbemont on the cultivation of the grape, which was ordered to be published in the American Farmer, superior specimens of domestic wines, by Messrs. S. Maverick and N. Herbemont; this meeting.

Two hundred copies of the constitution and general outlines of the proceedings of this Society, were ordered to be printed for distribution amongst the Art. VII. It shall be the duty of the Treasurer to constituent Societies. Also ordered that the editors of the State Gazette and of the different Charleston

A true extract from the minutes. JOSEPH N. WHITNER, Rec. Sec.

PHILADELPHIA SOCIETY FOR PROMOT-ING AGRICULTURE.

Stated Meeting, December 19, 1826.

Dr. Mease, Vice President, in the chair. The

following communications were read.

On brewer's grains as a food for store pigs. advantage stated to attend this food, is its being sufficiently nourishing to promote the developement Edgefield Agricultural Society-Messrs. Eidred Committee, and present them to the Society, (to be of the frame, without too great a tendency to fatten; used at their discretion,) at the general meetings in it is also cheap. Mr. Botton, of the Germantown brewery, put up forty bushels in the year 1823, and Art. X. It shall be incumbent on the Societies used them during the summer following. In Sepcomposing the union, to transmit to the United So-tember last, one of the casks containing grains was W Elliott, Bellinger and Scabrook, to revise the ciety, at each general meeting in December, a fair opened, which had been filled in December, 1825, copy of all the important original communications and with the exception of a few on the top, (which, Art. XI. Any Society formed for the same general object, may become a member of the Union by sending delegates to the general meeting, who shall cask in the earth, so deen that its tonic lates aftended. Art. XII. At all meetings, each Society theren trodden: salt, in the proportion of one peck to twenrepresented by a delegate or delegates, shall be en-ty bushels, is sprinkled through the mass; the head ittled to one vote.

2. A letter from Thomas Appleton, U. S. Consul Art. XIV. A majority of the Societies composing at Leghorn, to the chairman, enclosing an abridged straw, and the various preparatory operations to fit them for use in the manufactor, of Leghorn hats.

It is pleasing to see the various products of the soil call forth the muse. Dr. Granger in his poem, "The Sugar Cane," has given the whole agriculture of that plant, and the manufacture of sugar. Philips details the culture of the apple, and the eonversion of its juice into a delicious Gink .-And Gen. F. Carr, W. Cattell, J. Rose, J. W. Mat-Dyer, in "The Fleece," gives the management of thews, Dr. J. S. Bellinger, R. Anderson, Dr. J. A. sheep and of wool. The culture of tobacco has P. Scott, J. S. Ashe, E. Sinikins, and W. Elliott, been described in classical Latin by a poet of the were elected a Committee of Correspondence Brazils; and Signor Lastri now shows how an im portant and valuable manufacture may be produc-At a subsequent meeting of the United Agriculed from the skilful working of a cheap raw maral Society, the following resolutions were subterial. It is to be wished that some American would favour us with a versified translation of his

3. A letter from Mr. John Griggs, of Charlestown, promoting in his respective district, the culture of Jefferson county, Virginia, to the chairman, with a some staple suited to our climate, and which may specimen of very long red potatoes, of a most prodivert the attention of planters from the culture of life nature. Three pecks produced forty-two bushels! Their origin is unknown. Mr. Griggs purcotton, now produced in excess.

Cols! Their origin is unknown. Mr. Griggs purResolved, That a premium of forty dollars be chased them off a raft which came down the Poto-Chairman by ballot,) to be composed of one mem awarded to any experimentalist, who shall succeed mac. Some members present recollected having in introducing such new culture on a space of planted potatoes apparently similar to those sent by ground not less than one acre.

Mr. G. some years since: the produce was great,

profitable winter food.

4. Dr. Tidyman, of South Carolina, an honorary distributed. The planters of South Carolina, findof the sweet potato, they are degenerated, have determined to improve them by sowing the seeds. It was upon this principle that the "Philadelphia So-ciety for promoting Agriculture," proposed at the highly farinaceous "foxite" potatoes are said to be the result of this process.

The chairman mentioned, that Messrs. Mayland & Son, tobacronists, of Philadelphia, had received from Cuba a quantity of the seed of the first quali-Thurso." This information is here given for the benefit of the cultivators of tobacco. The exporfrom it, is prohibited, except on the king's account.

The following donations were received— From Robert Barclay, Esq., of Berry Hill, Eng., cyclopædia of Agriculture, and a translation in blank verse of the first book of the Georgies of Virgil, with valuable notes, by the Rev. Robert Hoblyn, of Cornwall. The three first numbers of a New Agricultural Magazine, from the editor, J. C. Lou-[U. States' Gaz. don, of London.

WOOLLEN MANUFACTURES.

The object of the following memorial is so closely connected with the interests of all classes of agri culturists, and especially those of the wool-grower, that we consider ourselves justified in appropriating, for recording it, the space which it occupies. It is not deemed probable that the prayer of the memorialists will be granted at the present session of Congress; but the petition will no doubt be preferred again and again, for agriculturists constitute almost the only class in our country that seldom confer about and concert for their peruliar interests, and never persevere in measures to meliorate and protect them. For ourselves, we apprehend that a higher protecting duty to insure a greater profit to the capitalist whose morey is invested in woollen manufactories, would give rise to snuggling in a degree that would acfeat the object proposed. We content ourselves, however, for the present, with registering the memorial as containing the doctrine and the bjects of those who advocate the cular specutation.]

MEMORIAL

Adorecd at the meeting of Woollen Manufacturers, recently held in this city .- [Boston]

To the honograble the Senate and House of Repre sentatives of the United States of America, in Congress assembled-

The subscribers, citizens of the United States, respectfully represent, that they deem it their duty When the last act, revising the tariff, was passed, it was anticipated that sufficient encouragement sent to this country, are imported by and on acan manufacturers. In the year following, the passible that our manufacturers are not protected by our These sacrifices of foreign goods will cease to be sage of that act, the manufacturers of woollen existing laws, and that something further is require made when they have produced their effects, and goods in England, prosecuted their business with ed to secure them against the excessive importa- American manufactures shall have ceased to exist. unexampled energy and activity, and exported vasitions of foreign goods. The low rate of wool and quantities of their fabrics to every part of America, labour abroad, and the inefficiency of our tariff, should be increased or diminished. The quantity where they were sold to great profit. The circum-will enable foreigners to persevere in their present of it produced in the United States is not equal to

ing that from long cultivation of the same varieties done by the British inanufacturers was the result of the price of the article here. Merchants in this hence has arisen the unexampled embarrassments at an advance. As to the price of labour in a counand sufferings of the English nation; sufferings which try like England, it must at all times be much lowlast annual meeting "a premium for the best pota-last annual meeting "a premium for the best pota-toes the growth of the seeds of the apples." The have affected the manufacturers in this country se-er than in the United States, and for a long time it verely, and from which they cannot be relieved, without the aid of their national government. The English consistent with the support and existence of those manufacturers have exported their goods to their who perform the labour. Present appearances do agents in this country, for sale, and, for more than not justify any hope of a speedy change in this rea year past, they have been and arc now continual-speet. ty tobacco produced in that island, called "Buella ly disposing of them in large quantities at public foreign manufacturer as if it did not exist.

It cannot be said that foreign manufacturers are unable to sell at less prices than those of this councourse has long been, after supplying other mar- supply the wants of this people. kets, to throw the surplus remaining into the American market; where, if it be sold at cost, they incur no loss; and, whether sold for cost or for less than cost, they secure one object of the utmost importance to them, the depression of American manu-

Again, under the laws regulating the duties on large quantities of it are purchased by our citizens by the rate at which the foreign goods are sacrithere, and imported into this country. More than fixed. one third of the wool manufactured here is obtained from Europe, and manufacturers of the United States, that foreign goods are thus sold at cost, or States have to pay the duty of thirty per cent. on less than their cost. The existence of our manuit, while they have the mere nominal protection of factures is the cause of this, and their ruin its obthirty-three and a third per cent. ad valorem duty on ject. We have shown that the effect is to impoto solicit your attention to the present state of the foreign goods, and that duty determined by the verish the thousands in the United States who are manufacturers of woollen goods in this country. party paying it. The records of our custom houses engaged in the different branches of manufactures, show that more than four-fifths of the woollen goods by deterring those who would invest their capital

but the quality not sufficiently farinaccous for the stance, together with the above mentioned fact, in-table. For hogs, or cattle, they would be found a duced many of our citizens to invest large amounts cent, below its price in the United States. Some of of capital in manufactories, confidently believing your memorialists have recently purchased bills of that they should not yield to foreign manufacturers exchange at 12 per cent. premium, and remitted member of the society, sent to the chairman, with in a fair competition, and that such a competition them to England for the purchase of wool, which a letter, some seeds of the sweet potata, which were would be secured to them by law. Subsequent will cost them less, delivered at their doors, with all experience has taught us, that the vast business the charges of exchange, freight, duty, &c. than improvident speculation, and was not required by country have imported large parcels of wool from the wants of consumers. The quantity of manufac England the last year, paid the duties and all tured goods far expected the demand for them, and charges, amounting to 50 per cent, and sold it here

Further, in a large manufacturing country like vendue, at little or no profit, and often at a great England, it is not to be expected that the producsacrifice. We do not enjoy that fair competition tions of labour will always be measured by the tation of this seed, or of the tobacco produced with them which we anticipated. American manuexact extent of the demand. There is always a facturers must sell their goods at as low rates as surplus—and that surplus is sent to the United foreign manufacturers, or discontinue their operaStates. It is removed from their home market, to tions. They are not protected against this state of maintain the price of the residue left there; and its through the President of the Society, Loudon's En- things by the duties imposed on foreign goods, for introduction here produces the same effect, which two reasons, viz. the nature of the duty, and the would be caused in England if that surplus were manner in which it is determined. Being an ad va-lorem duty, and both their owners and their agents in England have manufactured much more than has being foreigners, having but one interest, it is well been required for consumption. The surplus, beknown that their goods are appraised in the invoices youd the amount wanted in their home market, has of them, far below their true value even in Eng-been sent to this country; and the effect of this has land. This, and the advantages which the foreign been to maintain or increase the value of the resimanufacturer has in the price of labour, and cost due of their manufactures, and to reduce the value of the raw material, renders competition on the part of the manufacturers here impossible. In this obviously for the interest of foreign manufacturers manner the United States are defrauded of their so to dispose of such a surplus: for, though that revenue, and the act, revising the tariff, and which should be sold at a sacrifice, the loss on that surplus was intended, undoubtedly, to protect our manufac- will be more than compensated by the advance of turers, is defeated, and is as unavailing against the value on the residue—while the effect on all the American manufactures must be precisely as injurious as it would be to the manufactures if that surplus were sold in their home market. It must and We see them do it daily, and they advance does depress the value of American goods, of which their most important interests by doing it. Their a sufficient quantity can be readily manufactured to

It is well known, too, that where there is a surplus of any articles in the market, the price of the whole is not thereby diminished in exact proportion to the amount or extent of that surplus. But the consequence is always to reduce the price or worth of all articles of the description below their true value. The fact that, there is more than is wanted wool and woollen cloths, they can afford to sell for consumption, discourages all purchasers, and doctrine and the bjects of those who advocate the woollen goods equal in quality to ours, cheaper the goods must be kept or sold by the holders of policy of pregiums to be established by act of than we can in our own market. Those laws are a them at a loss. If England sacrifices in the United Congress for insuring a profitable result to a parti-protection to them, but not to us. By the revision States only one million of woollen goods per annum of the tariff in 1824, the duties on imported wool at auction, the certain result is that the residue of her len goods was advanced only eight per cent. ad valorom, while that on wool was increased fifteen per rican goods of the same description, must be sold eent. No wool is exported hence to Europe, but for less than their value, and at a price regulated

Nor is it any gain to the people of the United

and believe that, cre long, sufficient will be producequal.

Neither do we ask that an increase of the ad valorem duty on woollen goods should be imposed, unless on principles, and under regulations, very different from the present, and which shall secure the enforcement of laws, which are now notoriously and continually evaded to the diminution of the national the devastation they carry with them. revenue and to the ruin of many of our citizens.

We know of but one resource. It is an entire change in the amount and mode of determining the ad valorem duty; or the adoption of a "minimum duty," which will not and cannot be evaded, and which shall be apportioned upon the number of J S. SKINNER, Esq. yards or quantity of cloth imported in every in stance. Such a measure may protect the manufac turer. It can injure no one. No class of men in this community can prosper without all partaking in their prosperity. The price of goods to the consumers here can never be increased to their injury; competition among our own citizens will prevent it. All experience proves, especially the experience of American manufacturers, that no class of our citizens can long continue in the exclusive enjoyment of any lucrative branch of business. Competition will reduce their gains to a fair and reasonable standard. 'To that standard we are willing to conform. But we are not willing to see the revenue defrauded, and our own citizens embarrassed or ruined, for the benefit of foreigners, who evade our laws, and make war upon our most important interests.

In most of the large manufactories in New England at least half the machinery is idle. The own ers of large factories, who have completed their buildings and purchased machinery, have discontinued their operations, and await with anxiety the determinations of their National Legislature. Those who continue a great portion of their former busi ness, do so under great embarrassments, and without any hope of successful competition, unless some laws are enacted for their relief.

That their interests, and the interests of the coun try may be thus protected, is the earnest prayer of your memorialists.

Boston, 23d October, 1826.

A NEW ENEMY TO WHEAT AND RYE.

Washington, Dec. 29, 1826.

The Rev. Timothy Dwight, late president of Yale College, in his travels through New England, and New York, about the year 1810, states it as the opinion of the farmers of Connecticut, that the barberry bush" blasts wheat and rye. Vol. 1, p. 344, he says, "its blossoms, which are numerous, and con- and Delaware Canal company, very respectfully subtinue a considerable time, emit a pungent effluvium, mit the following brief statement of the progress and fied, that the present location is the best; taking believed to be acrimonious and to injure effectually present condition of the works; and this they do into consideration the drainage, the free vent of both kinds of these grain. Among other accounts, with the greater satisfaction, as demonstrating that water for the side power, if ever used, and the least intended to establish the truth of this opinion, I their labours are at length drawing towards a suchave heard the following. A farmer of Long island, ecssful termination. have heard the following. A farmer of Long island, cessful termination. sowed a particular piece of ground with wheat, every second year, for nearly twenty years. On the bour, as had been directed to be built the present excavation has been accomplished, the piles driven, every second year, for nearly twenty years. On the outh, as had been until the south pier is not yet the floor laid, and about six feet of masonry on season, is nearly timished; the south pier is not yet the floor laid, and about six feet of masonry on bush. The southern winds prevailing at that sea-filled in, but orders have been given to have it done both sides finished. It is, however, probable, that southern finit of this field, grew a single barherry bush. The southern winds prevailing at that season in which the bush was in bloom, carried the effluvia, and afterwards the decayed blossoms over ly employed in excavating the basin. It will shortly be removed through the tide lock into the canal, to a small breadth of this field for a considerable ex-tent; and wheresoever they fell, the wheat was be used on the marshes. This harbour will neces lock at St. George's, 3 miles westwardly, through blasted, while throughout the remainder of the field sarily cost much more than if it had been construct- the mill pond. The embankment, to Wilson's Point,

the demand for it, and our manufacturers must ob- it was sound. In Southborough, a Mr. Johnson ed, as originally intended, with banks of earth, but tain it from foreign countries. To increase that sowed with rye a field of new ground. At the south it will be much more convenient, commodious and duty would be to impose additional burthens on them, who are unabled to endure those already ex. The grain was blasted throughout the whole length. The Delaware tide lock is finished. It was found isting. We will not ask to have the duty on wool of the field in a narrow tract, commencing at the that the stone, which entered into its formation. diminished. It is a burthen to us now, but we trust bush, and proceeding directly in the course and to the extent in which the blossoms were diffused by the though otherwise very suitable; and as the best ed in the United States to render it unnecessary for wind. In another field the property of a Mr. Harringus to purchase it at an advance of fifty per cent. in ton, an inhabitant of the same township, exactly the the market of those who themselves use it, and with same circumstances existed, and the same mischief whom we believed our government intended we followed." It appears also, from other facts stated stiff clay, well puddled outside of the walls, serves to should be able to compete on terms both fair and a little farther by the same author, that even esculent roots, planted near a barberry bush in a gar den, never came to perfection. Presuming that some of your readers may find some of those insidious foes lorking about their fields and gardens, I when this part of the canal will be completed and have sent you this extract as furnishing a means by which they may be known, like the conqueror, by

I conclude by recommending their extirpation. Yours, &c.

LARGE VEGETABLES.

Winton, N C., Dec. 20, 1826.

Dear Sir,-As I have often seen in your very useful paper, the size and weight of the vegetable growth of our country, permit me to state two circumstances that I think worthy of attention. first, a Radish from my garden, measuring 184 inches in girth, or circumference, weighing 3 lbs. 11½ oz., seen by a number of gentlemen. The other, as related by A. Cross, Esq., of Gates couaty, N. C.; who measured a Sweet Potato four feet in length and 15 inches in circumference. The radish was from the seed of the small spring radish, which went to seed the last summer, and was sowed in August or first of September, and pulled on the 6th of December.

Very respectfully, your obed't, G. M. SMITH.

INTERNAL IMPROVEMENT.

the avowed and leading objects of the Editor has been to record what is passing, and to promote been to record what is passing, and to promote whatever may be designed, for the cultivation and extension of our Internal resources. The large tion and nearly the whole of it has been finished: but amounts subscribed by the state of Maryland and at a very heavy expenditure of money, and about the United States, in the Chesapeake and Delaware five hundred thousand subic yards of solid earth. canal, independent of the nature of the work itself, The actual contractors were bound to have complethave made it a national work, and the apprehensions ed this section in July last; but it is probable they which exist, that these amounts have been unprofita- will not finish it before next spring. In a late combly invested, if, indeed, they be not entirely sunk, munication from the engineer is chief, he remarks makes every document important, which sheds light on the subject of this section, that much has been upon the subject: hence it is, that it is incumbent on said about the line being altered from the original us to publish the following.]

CHESAPEAKE AND DELAWARE CANAL.

LETTER TO THE SECRETARY OF THE TREASURY.

To the Honorable Richard Rush, Secretary of the line, by cutting off the hard points of land that put Treasury of the United States.

So much of the wharf work of the Delaware Har-

could not be wrought so as to make a neat joint, water cement has been freely used in the construction of this lock, no doubt can be entertained that it is a substantial, durable piece of masonry. A very give additional security to the work.

Sect. No. 1, and 2, are nearly finished. A few cart loads of earth are yet to be removed, and some trifling work done to the swivel bridge at Newbold's

navigable.

Sect. No. 3. This has been, in some respects, the most interesting, troublesome and expensive section on the whole line; and from the difficulties which have occurred in the course of its execution, has caused much anxiety to the Board. It extends about three miles and a half through the Cranberry and St. George's marshes, from No. 2 to the left lock. The engineer in chief, in a late report, says-"The ground on this section, has generally been as bad as nature ever formed to carry a canal over " As a measure of early precaution, previously indeed to The the excavation of a spade of earth, and before the route had been finally settled, borings were directed to be made here and elsewhere, to ascertain the The character of the earth; and the Board were led to believe that a stiff clay prevailed through all these marshes, to a considerable depth below what would be required for the bottom of the canal; but as the work went on, and the true nature of the ground was developed, it was seen to be altogether unfit to enter into the construction of the tow path; no alternative therefore remained, but to incur the very heavy expense of conveying solid upland earth from a distance for that purpose.

The sinking of this heavy material has been very great; but in the unvaried opinion of the Engineer in Chief, and other eminently qualified individuals, confirmed by the frequent personal observations and [From the commencement of this journal, one of judgment of the members of the board, no other location. I do not think it has been deviated from. at any one point, twenty feet from the plan reported by Mr. Randel. Many persons have assected, and perhaps believe, that by a different location of this into the marshes, the canal would have been formed The President and Directors of the Chesapeake cheaper.—After much examination and reflection upon this question of location, I am perfectly satis-

The Lock at St. George's is going on well. The

is rapidly progressing, and looks well. About one mile and lifty-three chains of the eastern end of this section have been recently re-let, and will probably be finished in May next.

The residue of this section is under contract to other persons, whose contracts are also of very re-

cent dates.

Sect. No. 5. The eastern division of this section, of which, as reported by the engineer in chief. about three hundred thousand cubic yards are yet to be excavated, has likewise quite lately gone into the hands of other contractors, who are proceeding with spirit and good effect. The western division of this section remains in the hands of the persons who originally undertook it, and who are efficient men. They have also about three hundred thousand cubic yards of earth to excavate.

in usc. The covering and painting are finished. It is a neat, substantial structure, built on the best me- ed, the wounded parts lose their verdure, and a dis-

this section. A few days additional laboor will complete it.

and may be converted into use whenever wanted.

Sec. No. 7. This section is also so forward that it may be easily completed during the winter.

The Western Locks.

equally durable and substantial.

Having formed contracts for the whole line of the canal, and at an early period, the board seemed within the estimate made by the board of United States Engineers, and the distinguished engineers disappointed, and now find, by a report of their Engineer in chief, that the ultimate cost of this work will exceed the estimate more than as much as they had flattered themselves it would fall short of it; and that of course the funds at present provided, will prove insufficient for its completion.

Whether this be owing to the repeated default of contractors; the heavy and enexpected expenditures on the marshes; the expense incurred by the increased dimensions of the locks, the alteration of the harbour, and the additional elevation of the summit bridge, &c. or to other causes; incident, perhaps, to all similar undertakings, and which it may not be in the power of human prudence to foresce or control-it is perhaps of little comparative importance to inquire. Unpleasant and unexpected as the disclosure is to themselves, the Board basten

to apprise the government of the fact.

It is proper further to remark, that while, on the duty to conduct the whole on a scale of liberality. tuents. .

Signed by order and on behalf of the Board of President and Directors.

THOMAS P. COPE. Chairman.

H. D. GILPIN, Secretary.

Chesapeake and Delaware Canal Office, ? December 6, 1826.

CANAL TOLLS.

The tolls received in 1826, by the Collectors of the Eric, Champlain, Cayuga, and Seneca Canals, \$765,062 95 in New York, amounted to Amount received in 1825. 521,343 94

Increase, .

. \$243,719 01

LADIES' DEPARTMENT.

TULIPS.

(From Maddock's Florist's Directory.) [Concluded from page 325.]

Hail storms are very injurious to the foliage of tulips, early in the spring; for wherever a hail stone The bridge at the Buck has been for some weeks falls or strikes, the part is bruised, the free circulation of the juices and growth of the plant is imped chanical principles, both useful and ornamental.

Sect. No. 6. There is little more to be done on although it is not absolutely necessary to cover the inferior beds of tulips during a common winter, yet it is highly proper to defend them against hail The pivot bridge at Turner's is nearly finished, storms in the spring; and likewise to cover them than the three interior ones, and broader at their when in bloom, in case of hot or windy weather, which would soon destroy their beauty.

Those who wish to procure new varieties of tulips, should procure the best sorts of breeder tulips, a name they are generally known by; these consist The masonry will be completed in a week; the of one plain colour, on a white or yellow bottom: workmen are now employed in coping the walls— no person should make the attempt who is not pos-the timber and plank for the grates are prepared, sessed of a great fund of patience and perseverance, These locks present a better appearance than those as the period of procuring finely broken tulips from on the eastern division of the line, the stone being breeders is very uncertain, so much so that it is not more easily wrought into close joints, and they are unusual to wait ten or twenty years without the desired success, although it sometimes happens fortunately to take place the first, second, or third year lour, abruptly broken into many irregular obtuse of their blooming:* and where the collection of secure that it would be completed considerably breeders is numerous, there may be reasonable expectations of procuring one or two valuable new flowers annually, but not otherwise; a poor dry soil is who were associated with them in the examination most likely to produce these effects; and a single and location of the line of canal; but they were instance has occurred, where forty breeders out of fifty became broken, or variegated, in one season, pear very beautiful and delicate, especially when they in a situation of this description.

New sorts of breeders are procured from seed, but such only as have very tall, strong stems, with large well formed cops, clear in the bottom, are

worth cultivating.

The seed should be saved from the most perfect breeders, in preference to the finest of the variegated or broken sorts, as the seed of such produces nothing but poor weak breeders, of no value. It should remain growing on the stem till the pericarpium becomes of a brownish colour, and begins to open; it is then sufficiently ripe, and should be cut off, with six or eight inches of the stem, and treated afterwards, in all respects, agrecable to the di-

*Justice relates a case which he saw practised in couragement to the breeders of this flower. A gentle- consumption and decline now prevalent throughout one hand, the Board has been studious to preserve man there, he says, being resolved to break some very a rigid economy in all their disbursements, so on fine colours of new breeders which he had recently the other, considering this to be a national work of great and lasting interest, they have felt it their duty to conduct the whole on a scale of liberality low the surface of the beds. The first spring he broke duty to conduct the whole on a scale of liberality, how he surface of the beas. The first spring he beas the same carelessness, and so it continues until a which should combine utility with permanency, and prove a durable monument of the public spirit of their stripes to their fading, and had entirely thrown off their original colours. The following autumn he the age. Had they done otherwise, they would not planted them in some of his richest garden mould, and prosume will not be disputed, that twenty females have realized the just expectations of the publick, most of them retained their colours. The reason he at least are carried out of the world by consumpnor have deserved the confidence of their constigue for changing the soil the second year, from that wherein he at first planted them, was, that as at first they were planted in a lean, gravelly soil, the magnitude of their roots was so diminished, that he was afraid their flowers would have been small, although magnitude .- Brit. Gard. Direct. 301.

rections given for the management of hyacinth seed. Some of the seedlings will bloom by the fourth or fifth, and most, if not all, by the seventli

Early tulips should be planted a month or six weeks before the late blowers, at rather a less depth, and in a warmer situation; they will then blow in March or April following; their stems are much shorter, and their properties, in general, are much inferior to the late blowers; they consist of roses, bybloemens, and bizards, of which, however, there are many varieties.

A description of the properties of a fine variegated late Tulip.

The stem should be strong, elastic, and erect, and about thirty inches above the surface of the

The flower should be large and composed of six petals: these should proceed a little horizontally at first, and then turn upwards, forming almost a perfect cup, with a round bottom, rather widest at the

top.

The three exterior petals should be rather larger base: all the petals should have perfectly entire edges, free from notch or serrature; the top of each should be broad and well rounded, the ground colour of the flower, at the bottom of the cup, should be clear white, or yellow; and the various rich coloured stripes, which are the principal ornament of a fine tulip, should be regular, bold, and distinct on the margin, and terminate in fine broken points, elegantly feathered or pencilled.

The centre of each leaf, or petal, should contain one or more bold blotches, or stripes, intermixed with small portions of the original or breeder copoints. Some florists are of the opinion that the central stripes, or blotches, do not contribute to the beauty and elegance of the tulip, unless confined to a narrow stripe, exactly down the centre, and that they should be perfectly free from any remains of the original, or breeder colour: it is certain that such aphave a regular narrow feathering at the edge; but the greatest connoisseurs in this flower, unanimous ly agree, that it denotes superior merit, when the tulip abounds with rich colouring, distributed in a distinct and regular manner throughout the flower, except in the bottom of the cup, which, it cannot he disputed, should be a clear, bright white or yellow, free from stain or tinge, in order to constitute a perfect flower.

LEATHER AND PRUNELLA.

A writer in the Merrimack Journal, has opened a battery against the fashion of wearing cloth shoes by the ladies. He says, with great justice:

"If there is one constant practice that deserves Holland, which is calculated to afford considerable en-execuation, this is it. Examine the many cases of our country, and it will be found that first of all, the patient, by wearing cloth shoes, got her feet wet, which caused a slight cold-before the first cold was fairly cured, a second one was taken by the same carelessness, and so it continues until a consumption is seated-when, after lingering a few presume will not be disputed, that twenty females accounted for in any other manner, than that men are not a tenth part so careless of their health as ladies are. You can scarcely name a prudent man who will consent to have his feet wet by thin shoes they were broke; and therefore he planted them in a who will consent to have his feet wet by thin shoes rich soil, to enlarge their roots. The experiment suctive or three times every week; on the contrary, ceeded, and the roots recovered nearly to their pristing many take a method to have their boots water proof. If the ladies think that lasting, or valencia, or satin leather, they are sadly mistaken, at least in the dreds of gunners on the Susquehanna-and I defy opinion of the gentlemen."

SPORTING OLIO.



DUCK SHOOTING.

To the Editor of the Elkton Press.

your distant readers, to be informed of the manner rapidest stream, or break through the ice in the muneration has been made by the British Governof shooting wild ducks on the Susquehanna; and coldest weather, to bring out ducks. Ducks are ment, must have been "carried off subsequent to the though many of them may be incredulous, no citi- not to be toled at all times, nor the same flock very zen of Cecil county will doubt the sequel.

The phrase toleing ducks, peculiar to this part of the world, is not understood any where else, and is

practised in the following manner:

When a gunner discovers a flack of ducks floating at too great distance to be shot from the veral times they become wild, and will fly at the shore, he crawls near the water, and conceals sight of a dog. Some of the Susquehanna gunhimself behind a blind, which he previously erects ners can ascertain nine times out of ten, without for 1827, from these and other less important for the purpose, of logs covered with river grass. making the experiment, by watching the motions sources, may be estimated at upwards of twenty-He has with him a dog trained to run after chips or of a flock of ducks, whether they are in the notion three millions of dollars; and that it will arise thus: small stones; the colour of the dog should be red of toleing, or will fly from the dog. This is the From Customs, or white; though almost every colour has been last art that a gunner acquires, and is not to be found to answer at times. Concealed from the learned except from experience. No state in the ducks, the gunner throws a stone near the edge of Union abounds with water fowl of every descriptions. the water, and the dog instantly springs from the tion equally with the land of Maryland. They are blind and runs after it. At the sight of the dog to be found in the bay below Havre-de-Grace, nuplaying on the shore, the ducks stretch out their merous enough to darken the air, and the thunder curiosity, like a gang of negroes at Punch in the water, at the distance of ten miles. The art of puppet show. The gunner continues to throw stones toleing, like many other curious arts, was discoveras fast as possible, and not allowed to stop, if it can concealed behind a blind, watching a flock of ducks, Military service, including Fortificabe avoided, for an instant; his large bushy tail presently saw a fox playing on the shore, and was should be constantly in motion. The ducks in the surprised to perceive the ducks swimming to shore meanwhile are delighted with the singular spectacle, and swim towards the dog as fast as their feet can in that direction, and gazed at him in silent admipaddle them. So great is their impatience to get a nearer view of him, that those which are furthest off will fly and light between him and those that were nearest. All the time the ducks keep their eyes fixed upon the dog, and seem to be governed by a spell which they have not power nor inclination to break, like birds charmed by a black snake. As soon as the gunner perceives that the ducks take notice of his dog, his hope is raised frequently to be disappointed; for if the ducks see the gunner, or delight, discovered that the project succeeded. if his dog runs behind any thing on the shore that conceals him from their sight, or if from fatigue or down to gnaw the stone that was thrown for him, which frequently happens, instantly the spell is broken, and the ducks take to their wings. If, however, no accident happen, and every thing works right, as the duckers say, often a flock of ducks speak of the mode of sh that cover a half acre of water is toled, as it were as practised in this state. by magic, from six hundred yards or upwards to within twenty feet of the gunner. The numbers that are killed in this way is incredible; for there are generally two or three gunners that shoot from the same blind. I will not attempt to account for tolems ducks; by what instinct or impulse they are ruled in coming to the dog, whether it be curiosity ton, that the Convention entered into by Mr. Galor magic, I know not; but I know that the fact ex-LATIN with the British Government, fixes the com- Treasury Denartment, Dec. 12, 1826.

shoes are handsomer than those made of kid or ists as I have stated, and can be attested by hun-pensation to be paid for Slaves, Tobacco and other ducks toled to shore three times in one day by the exceeds \$1,500,000, viz. by those of same dog, and shot at each time. It is not to he supposed that the dog is conscious of the effect he produces on the ducks, or knows that they come to the shore to see him; he is engaged playing with the stones that are thrown for him, and thinks of nothing else. There is difficulty in training a toler; most dogs are too lazy, and refuse to run as soon as their feet get cut by the stones and shells on the shore, and few of them will play after they have they approach the shore, and sometimes plunge into to be killed.

A gunner should be provided with several dogs never suffer his toler to do it, lest he cuntract the habit of neglecting his play, to swim after the ducks before they are shot. The Newfoundland breed Sir,—It may not be uninteresting to some of make the best water dogs, and will plunge into the often, and there are several kinds that never will tole. Early in the season, that is, the latter part of ESTIMATE OF THE PUBLICK REVENUE AND EXPEN-October or first of November, the canvas-back and red-head, the most delicious of all feathered creation, tole to abundance; but after being shot at seto be found in the bay below Havre-de-Grace, nulung necks and gaze with apparent amazement and of their wings can be heard when they rise from the to gaze at him; if he ran up the beach, they swam ration; or if he ran down the beach, they followed. approaching as near as they could without leaving the water. Reynard, though proverbially cunning, had no design upon the ducks; he was rolling and prancing for amusement-but the gunner took the hint, and after shooting a great number of the ducks that the fox, without intending, had toled for him, he started his dog to running on the shore, by throwing pieces of bread for him, and to his great

laziness he decline running, or if he bark or lie and geese; and sometimes they are exported to London. Here are to be found an army of the most unerring marksmen in the world, consisting of gentlemen who shoot for pleasure, as well as gunners who shoot ducks for sale. I have not time to speak of the mode of shooting ducks on the wing, A SPORTSMAN.

MISCELLANEOUS.

CONVENTION WITH GREAT BRITAIN.

Authentic information is received from Washing-

dreds of gunners on the Susquehanna—and I defy property, carried off by the British subsequent to Mr. Mitchell, or any other sage, to give a satisfacthe treaty of Ghent, at one million two hundred thoutory explanation of it. I have seen the same flock of sand dollars. The amount claimed by our citizens

> Maryland, \$280,000 Virginia. 520,000 Louisiana, 150,000 Georgia, 480,000 113,000 Alexandria. Maine, 16,000 Mississippi. 6,000 Delawarc, 7.000

On the subject of the late arrangement with seen the ducks shot, but stop to look at them when Great Britain in the Convention now before the Senate, the Alexandria Gazette has the following the water after them before they are near enough remark .- "The report on the subject we have reason to believe is correct. Alexandria, it seems. claims \$113,000, of which she will get about \$90,000; to bring the ducks he shuots out of the water, and for if any part of her claim comes within the provisions of the Convention, the whole must; and therefore her proportion will be as we have stated; but to prevent disappointment, we call the attention of sufferers to the fact, that the property for which rement, must have been "carried off subsequent to the treaty of Ghent."

DITURE FOR 1827.

[Extract from the Treasury report.]

From the foregoing facts and considerations, affecting the Customs and the Public Lands, it is believed that the whole revenue of the United States, \$20,400,000

Public Lands. Bank Dividends, Miscellaneous and incidental receipts,

330,000 \$23,150,000

2,000,000

420,000

The expenditures for 1827 are estimated as follow, viz.

right and left, and the dog should be kept running ed by accident; and tradition says, that a gunner Civil, miscellaneous and diplomatic, \$1,826,549 54

tions, Ordnance, Indian Department, Revolutionary and Military Pensions, arming the Militia, and arrearages, prior to the 1st of Ja-

nuary, 1827, 5,646,144 36 3,230,260 23 Naval service, Public Debt, 10,000,000 00

\$20,702,954 18

Which will leave in the Treasury, on the 31st December, 1827, after satisfying all the demands of that year, on the basis of the foregoing calculations, a simplus estimated at \$2,447,045 S7. 'I his surplus will be a disposable surplus, over and above the The Chesapeake bay, and its tributary streams, sum before stated as not in effective funds, and of supply every city in the Union with ducks, swans, the two millions of dollars to be reserved in the Treasury under the Sinking Fund act of March 3,

> In the estimate of expenditures for 1827, the annual appropriation of \$500,000, for the gradual increase of the Navy, under the act of the third of March, 1821, has not been inserted, that appropriation expiring with the present year. Whatever renewed sum the wisdom of Congress may set apart for this effective arm of the public defence, will add another item to the list of expenditures for the year, and lessen, by so much, the estimated balance at its expiration.

All which is respectfully submitted.

RICHARD RUSH.

has again presented her claims to Congress for an That a very beneficial innovation in our method allowance to be made to her for the destruction of of raising and preparing cotton (another and very the frigate Philadelphia by her late husband, in the important staple of Louisiana,) for market, might be harbour of Tripoli in 1804." 23- We have seen a introduced, cannot, in my opinion, admit of a doubt. pamphlet of 62 pages, containing the documents To effect which, is the duty of scientific and practipublished by Mrs. Decatur relative to this claim, cal growers of that article. and think the ludy has made out a fair case, and to be justly entitled to the benevolence of a liberal the husbandman, that invention, generated by necesand high minded legislature.

RECIPES.

CURINO BEEF; a most important item in the depart- ments in agriculture among us, is, that far the greatment of domestic economy-we recommend the following with great confidence, for two reasons:good management; and secondly, because we have mode of agriculture. dired on beef pickled by this process, which was super-excellent.

RECIPE FOR CURING BEEF.

some pitch on it to prevent leaking; see that the fluctuations in the price of the former article. cask is quite tight and clean. Put into it one pound "It is generally acknowledged to be a fact, that of salt-petre powdered, fifteen quarts of salt, and had the price of cotton in Louisiana remained at 15 dissolved, throw over the cask a thick cloth to keep as it did a few years ago, our citizens would have out the dust; look at it often and take off the scum; been more out of debt, and consequently, more indefifteen gallons of cold water will exactly hold, in pendent and easy in their circumstances, than they cure all the beef which a private family can use in would never have been thought of. I mean the the course of the winter, and requires nothing more Mammoth Bank of Louisiana.' to be done to it, except occasionally skimming the dross that rises; it must be kept in a cool, dry place.

For salting your beef-get a molasses hogshead and saw it in two, that the beef may have space to lie on; bore some holes in the bottom of these tubs, and raise them on one side about an inch, that the bloody brine may run off. Rub each piece of your beef very well with good Liverpool salt; a vast deal depends upon rubbing the salt into every part; it is unnecessary to put salt petre on it; sprinkle a good deal of salt on the bottom of the tub. When the beef is well salted, lay it in the tub, and be sure you put the fleshy side downward; put a great deal ing year as connected with their social condition and of salt on your beef after it is packed in the tub, worldly affairs. In the relation of Editor to our this protects it from animals. You must let the numerous patrons, we are prompted from the heart the salt and wipe it with a damp cloth; put it in the brine with a bit of board and weight to keep it bours be crowned with abundance, and if by that under. In about ten days it will look red and be very abundance they are compelled to be satisfied fit for use. The best time to salt beef is the latter with a less amount of pecuniary remuneration let end of October, if the weather be cool; and from them reflect, that when the essential wants of nature that time have it in succession. When your beef are satisfied, when plenty presides at our board, that it may be ready for the next pieces. Tongues the language of our excellent Governor, "we have are cured in the same manner.

EDITORIAL CORRESPONDENCE.

Extract of a letter to the Editor.

J. S. SKINNER, Esq. Baton Rouge, Dec. 1, 1826. of our soil, produces an indifference to the usual to the national prosperity and general welfare"-

sity, is never on the alert to adopt the best mode of himself tears us from its possessionculture. This, however, does not impair the fact, that many implements of husbandry, now in use in the Northern, Middle, and Western states, might be introduced here with advantage. Another cir-[Many recipes have been given to the publick for cumstance that retards the adoption of improveer part of the labour on our plantations is performed by slaves; which exempt us (I mean the lords of

three hundred hogsheads of sugar, do not grow an after the following manner.—Get a thirty gallon a great oversight, particularly when we take into eask, take out one head, drive in the bung and put consideration, the great, and sometimes ruinous,

fifteen gallons of cold water, stir it frequently until cents, instead of rising to 25, 30, and even 35 cents, solution, fifteen quarts of good, clean Liverpool are at this day. I believe too, that had cotton re-

THE FARMER.

BALTIMORE, FRIDAY, JANUARY 5, 1826.

There can be but few so devoid of reflection and moral sensibility, as to enter on the cares and pleasures of a new year, without casting a retro-spective glance on the past, and endeavouring to anticipate the most prominent incidents of the combeef lie in salt ten days; then take it out, brush of to wish them, with each return of the season, inis taken out of the tub, stir the salt about to dry, and health stands smiling at her side—when, to use the gratification of knowing, generally, that we are in the enjoyment of peace with all the world, and of civil and religious liberty, in the fullest extent with all the powers of government emanating from public functionaries amenable to them, for the ex-"The noble study of Agriculture is but little pur- of the necessaries and comforts of human life and the Union; which added to the ever-lasting nature try cherished and protected, with an exclusive view

A letter from Washington says, "Mrs. Decature treated of in the columns of the American Farmer. our hearts upon what is unattainable or may be dispensed with, and above all, not to consider riches, mere riches, the great good of existence-for after all, nothing can be more worthless in the eve of true philosophy, but as they afford the means of gratifying rational wants; and it often happens, that after spending a life time in the over anxious pur-"Our lands, repay so abundantly the labours of suit of wealth, misfortune snatches it away, ill health renders us unsusceptible of its enjoyment, or death

> "The spider's most attenuated thread Is cord, is cable to man's tender tie
> On earthly bliss! it breaks at every breeze.

The augmented patronage bestowed on our labours during the past year inspires us with a grateful determination to make yet greater efforts to deserve it. The field is yet wide and full of ob-First, because we have been favoured with it by the soil,) from great bodily exertion, and prevents jects that deserve attention and culture. To those a lady who cannot be excelled for good taste and our feeling the necessity of improvements on our of our patrons who have complied punctually with the terms of our journal, which from the necessity "I am told that many of our planters, who make of the case, require payment in advance, our sincere annually one hundred bales of cotton, or two or tharks and best respects are tendered, and will be thanks and best respects are tendered, and will be Prepare your brine in the middle of October, ear of corn; this strikes me very forcibly, as being reminded, remit what is due. To another class, who have paid no regard to the most respectful and earnest notice of their delinquency, and who have yet taken the paper from the post office, we have yet one request to make, which we presume cannot be honourably disregarded, and that is, that they would give us notice what they mean to do, that we may know what it becomes us to do in turn. . Suppose, let us ask those gentlemen who still use the paper, we had churlishly withheld it, saying, you have not paid and we cannot trust you-what would salt, and one pound of salt-petre; this brine will be mained steady in its price, the greatest curse that they have thought of us? We wish not to offend strong enough to bear up an egg. This brine will ever the people of any state were saddled with, any; but we cannot buy materials, pay the printer, any; but we cannot buy materials, pay the printer, work for nothing and find ourselves. No, gentlemen, -send us what is due, by mail, at our risk-we will even acknowledge it, not only as a discharge of all old scores, but as a new-years' gift-an earnest of renewed friendship in time to come.

> By the lucid and able report of the Secretary of War, the total of the army of the United States in November last amounted to 5,809-and the militia of the United States to 1,103,878. The subject of the militia is accompanied by the Secretary with very important suggestions, to which we shall hereafter more particularly advert, having for a long time entertained the belief that the militia systems, so called, of the different states are productive of no benefit, but, on the contrary, of the most pernicious effects upon the industry, health and morals of those upon whom they operate.

IMPROVEMENT OF DOMESTIC ANIMALS.

Projet de Société d'amélioration des Animaux Domestiques; par M. Sénac, Rédacteur de la section des sciences agricoles au Bulletin Universel. Paris, Mai, 1826.

Prospectus of an Association for the Improvement of Domestic Animals; by Mr. Scnac, Editor of the department of agricultural science in the Bulletin Universel. Paris, May, 1826.

We have examined this prospectus with a great the people, 'the only legitimate source'-and all the deal of pleasure, and we think that it contains many hints which we might profit by in this country. The ercise of their delegated trusts; with an abundance idea of such an association, by which the labour, capital and space which are now superfluously and sued in Louisiana. Our principal staple (sugar,) is enjoyment, generally diffused through all ranks of unprofitably occupied by the cultivation of grain, different from that of any other state or section of society; and with all the great interests of the coun-might be turned to much advantage in the production of fine animals, is a very good one in the case of France, and, in some degree, in our circummodes of ameliorating the condition of the soil, as well no rational, no grateful man, should repine: for, stances also. But we have not reached the condias to the best plan of pitching and working crops, now with these blessings, what is there left that money tion of that country, where nearly all the various in successful operation in many of the states, whose can purchase, and which is indispensable to happi-branches of agriculture, except the one in question, staples consist principally in produce different from ness? Without stopping to moralize, the idea is have been largely and extensively prosecuted, and our own, and which are so often, ably, and fully never out of place, that we should learn not to set have mutually contributed, by excessive competi-

tion and abundance, to destroy each other's value per cwt., and it may probably be assumed that and reward. We still have immense tracts of land the average cost of transportation from the state of to devote to mineral resources, or to cover with the Ohio is not now more than \$2.50 or \$25 per 1000 yine and mulberry. France has attained to such pounds. When the canal shall have been finished perfection and copiousness in the production of silk the cost, according to the anticipations of its friends and wine, that they have become comparatively will not exceed five, perhaps three dollars per hlid worthless to her from being so common, and she finds it necessary to turn her industry to some other of the finest quality, will be brought here, and sold object. The most obvious, is the raising and im- for less than we can make Maryland of the worst provement of the domestic animals, for which she And what must be the effect of this upon the price is now, in a great measure, dependent on her neighbours. It appears from the prespectus of Mr. Se-truly a gloomy aspect in the eyes of Marylan nac, that in the years 1822, 1823, 1824, 1825, planters—but are there not countervailing advan France imported from abroad animals of that de-tages in store for them? And were there not, d scription and their products (such as cheese, wool, they not find in their publick spirit, and their devotion horns, hides, &c.) to the amount of 199,534,404 to the general good, an unfailing salve for any per francs, or \$39,906,880. All this, he argues, and ar-sonal sacrifice? It is known, in proof of their pa gues rightly, night be saved to the nation by a ju- triotism, that the planters of Prince George's, hav dicious breeding of them at home. In 1825, 23,280 disputed for nothing but the honour of who should be horses were imported, 729 mules, 1414 asses, 13,962 the first to break ground in this great national work beeves, 23,331 cows, 212,398 hogs, 5830 goats, 28,376 sheep of the finer races, and 170,706 of the common; besides an enormous quantity of wool, goats' hair, hides, hair, horns, fat, butter, cheese, &c. (Reported for the American Farmer, by Merryman & The horses alone are valued at \$1,501,428; the beeves and cows, at \$1,516,632; the sheep and hogs at \$1,428,266; the hides, at \$1,835,267; wool, at \$1,583,139; and cheese, at \$866,566. This is a vast field, which the association proposed by Mr. Senac would have for its object, to open to the industry and skill of France.

There is, however, it cannot be denied, great room for improvement in the quality of all our domestic animals. It is not so much that we do not rear enough, but that the races of all might be improved without additional expense. To this end, a society might be got up in each county in the state. Small premiums would stimulate to great improvements—and if the prize animals of the several counties could be concentrated at Baltimore and at Easton on the respective shores, the self supply of the best Corporation 6 per cent. redeemable ? horses, and the exportation of them and other animals to other states, would very soon become an Do. 5 per cent. redcemable in 1832, important source of revenue to the landholders of

Maryland.

from Ohio. From that state several crops have been inspected and sold for high prices. One lot of six lingsheads sold yesterday for from 12 to \$13 Reister's Town, . (div. off) f.s. round, and the whole crop of the same planter, Vork. eighteen hogsheads in number, has passed inspection in the finest order, and has averaged nearly, if not quite, \$14 per hundred. The perfection to which the Ohio planters have already attained, in what has been deemed difficult in the culture, and yet more in the process of preparing for market, is a remarkable proof of the superiority to be expected in every case where the actual producer is under the constant influence of self interest and the prospect of immediate personal profit. That influence united with the fertility of the soil, and the extraordinary adaptation of their new lands to tobacco of the finest quality, is raising up a competition to which the planter of the scaboard, slave labour district, will have to yield, notwithstanding his greater facilities of transportation to market; and if this transmontane rivalry Five per cent. be at this time so formidable how much more irresistible when, by means of the Ohio and Chesapeake canal, the only advantage in favour of the slave-holding planter, shall have been removed, and upon how many more articles will that rivalry bear? The Ohio planters who visit our market, aver that whilst they ean get \$1 per hundred on their farms, or what is the same thing, elear of expenses in this market, they will same thing, clear of expenses in this market, they will regard it as a profitable object for the employment of their labour and capital. The particular crops of which we have spoken were transported from the control of the control

May it not, then, be predicted, that Ohio tobacco

PRICES OF STOCKS.

Baltimore, Jan. 5, 1827. par value, preser

U. States' Bank Stock, per share, (div. off.) \$113 Bank of Maryland, do. 300 227 u Bank of Baltimore, do. (div. off,) 300 Union Bank Maryland, do. do. 75 75 Mechanics' Bank, . Franklin Bank, 25.2 Commercial and Farmers' Bank, 26 Farmers' and Merchants' Bank, . 54.2 City Bank, w 15 2.8 Marine Bank, Farmers' Bank of Maryland, w . . 52.5 CITY STOCKS.

after 1836, (div. off,) 101 (div. off,) Penitentiary 5 pr. cent. stock; (none)

100 par&in Annuities, or Ground Rents, : 6 to 10 per cen

ROAD STOCKS.

BANK STOCKS.

20 10.2 20 York, York, . . . Frederick, . . . do. 7.2 do. 112 Washington and Baltimore, 50 31.5 Baltimore Water Company Stock, ? 50 93 per share, (div. off,) . Union Manuf. Co. Stock, per share, 50 141 Gas Stock, 110 Temascaltepec Mining Co's, per share, 600 850 Havre de Grace Turnpike 6 per cts. par & intere

U. STATES' STOCK.

Six per cent. 1813, (div. off,) 100 1003 --, 1814, 100 1013 -, ISI5, do. 100 104 Three per cent. 100 do. 80 Four and half per cent. do. 100 101 do. 100 107

IV., wanted-f. s., for sale, by Merryman & Gittiog

CONTENTS OF THIS NUMBER.

Williams's patent twin Lever Press, for cotton, ha &c. with a cut-United Agricultural Society of Son Carolina-Philadelphia Society for promoting Agricu ture-Memorial adopted at a meeting of Woolfen Man facturers, in Boston-A new enemy to Wheat and Ry more than fifty miles beyond Wheeling, for \$1.75 Recipe-Editorial Correspondence-Editorial Remarks.

PRICES CURRENT

20	PRICES C	UR	REN	T.		
0	A DOMEST DO	1	WHOL	ESALE.	RET	AIL.
1.	ARTICLES.	per.	from	1 10	from	lo
5,	BEEF, Baltimore Prime,	bbl.	8 00			
	BACON, and Hams,	lb.	6	,	9	12
1.	BEES-WAX, Am. yellow	_	29			50
d,	COFFEE, Java,	_	18	163	20	22
d	Havana,		14	17	20	28
19	COTTON, Louisiana, &c.		11	14		~ 0
e	Georgia Upland,		10	12		
rs	COTTON YARN, No. 10,		28	1.7		
d	An advance of 1 cent					
1-	each number to No. 18.					
0	CANDLES, Mould,		13	18	16	18
- 1	Dipt,		11	13		15
n	CHERNE	_	81	12	12	15
r-	FEATHERS, Live,		30	32	37	10
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re	Shad, trimmed,	~-	5 50	6 10	1	
e e	FLAXSEED,	bush	1 00		4	
k!	FLOUR Superfine site	bbl.		5 00		
	FLOUR, Superfine, city,		4 75	0 00	- 1	
	Fine,	-	2 .0			** ***
	Susquehanna, superfi.	os lla	5 00		5 50	none
-	GUNPOWDER, Balti	25 lb	52	53	3 00	
&	GRAIN, Ind. corp, yellow	bush	55	93		
	Wheat Family Flour	_	1 05	1 121		
	Wheat, Family Flour,	_	90			
nt	do. Lawler, & Red, new	-	95	95		
	do. Lawler, & Red, new do. Red, Susque		75			
	Rye,			1 25	}	
v	Barley, Eastern	-	1 22	1 25	1	
	Do. country		90	1 00	5 50	
	Clover Seed, Red	bush	4 50	5 00	5 50	
,]	Ruta Baga Seed,	1b.	87 0 50		1 00	
	Orchard Grass Seed,	bush	3 50			none
5	Mangel Wurtzel Seed,	—			1 50	
	Timothy Seed,	-	4 00		5 00	
5	Oats,	—	40	3 50	50	
10	Beans, White,	_) 25	1 50	2 00	
5	HEMP, Russia, clean, .	ton	200	210		
0	Do. Country	i —		200	1	
	HOPS, 1st sort, (1826)	lb.	18		25	
	HOGS' LARD,		7	10	12]	
Į.	LEAD, Fig	1b.	61			
	Bar	-	71	8	20	
	LEATHER, Soal, hest,	-	21	23	32	
	MOLASSES, sugar-house	gal.	20	50	621	75
	Havana, 1st qual	<u> </u>	30	32	371	
	NAILS, 6a20d	lb.	64	1 021	9	
	NAVAL STORES, Tar,	bbl.] 50	1 623		
	Pitch,	-	1 75			
ıt.	Turpentine, Soft,	-	1 75			
ıt.	OIL, Whale, common, .	gal.	35		40	
	Spermaceti, winter .	_	80	\$5	89	
25	PORK, Baltimore Mess,	bbl		11 50		
	do. Prime,	-	8 50			
25	PLASTER, cargo price,	ton.	3 50			,
75	ground,	libl.				
50	RICE, fresh,	lb.	34		5	0.0
	SOAP, Baltimore White,	lb.	12		18	20
	Brown and yellow,	<u> </u>	51/2		10	12
v	WHISKEY, 1st proof, .	gal.	38			50
	PEACH BRANDY, 4th pr	-	75		1 25	
	APPLE BRANDY, 1st pr		31		50	
	SUGARS, Havana White,	e.lb.	12 50		14	15
est	do. Brown,	-	10 00	10 50		
	Louisiana,	-	7 15		10	11
	Loaf,	lb.	19	22	20	55
	SPICES, Cloves,	-	70		1 00	
	Ginger, Ground,	-	1 .7	1	12	18
	Pepper,	_	15		25	
	SALT, St. Ubes,	bush			75	
	Liverpool ground	-	54	1	73	
	SHOT, Batt. all sizes, .	clb			12	
gs.	WINES, Madeira, L. P.	gai.	2 50		3 50	
	do. Sieily,	-	1 10			
=	Lisbon,	-	1 05			
	Port, first quality,	gal.	1 65	1 85	2 50	
ıy,	WOOL Merino full blid		30			sh ³ c on
th	do. erossed,	-	20			eep's
1 l-	Common, Country,	1-	18		bac	k & free
u-	Olding and an Dullad	1-	20			n tags.
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-1	Brinted crops Prider of	25	ner on	nun 4	OF 10	HIN C
el-	Printed every Friday, at	. 200	ber all	nium, I	01 00	111 00

SKINNER, Editor, by John D. Toy, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

THE FLORIDAS.

[The acquisition of these territories, holds a pro minent rank amongst the honourable performance of the State Department, during the administration of the patriotic President, MONROE. All unite in considering them, geographically, as of great value to the Union; and the following sketch will enable us to form a more correct estimate of their intrinsic qualities and worth, as regards their climate, soil and useful productions. The source from which it emanates gives it claim to particular respect and a diagonal course over Florida. confidence, the author being a gentleman of talents, speaking from much personal observation, as a native of East Florida, and for several years Lieutenant Governor of that province. To new territoone of the indispensables to wholesome nature in
ries, thus acquired, it is of importance to have their
both animals and vegetables. These place us in a
producible resources made known without delay,
signlar state of mediocrity; the most equally rethat they may the sooner acquire the population invest from the extremes of temperature to be which confers the right to demand and the respect found, perhaps, in any country; producing, at the and unappreciated, because never wanting, without which guarantees a welcome admission to the fessame time, a salinous, clear, and elastic atmosphere, which they could not live here at all. For instance, deral family. In eliciting the facts contained in surrounding us with health; and with an extraordi- was it not for the inclination of this peninsula, about the following memoir, the delegate from the Flori- rary collection in species and varieties of vegetables; thirty degrees to the east of a meridional line, the das has added another to many and yet stronger and congregate in our woods and waters abundance trade winds would pass across it, not farther north proofs of his knowledge of and devotion to their of very many species and varieties of game particuinterests; and if it be both fair and natural to judge larly fish. of constituents by their representatives, and that in political as in social and individual intercourse, mion, in matters of agriculture, is this modified much depends on first impressions, the Flori- climate; which will yield certain high priced arti-das bave undoubtedly made an auspicious debut ccs, from exotic plants, that no other part thereof many of the perennial plants of Cuba flourish, that upon their entrance into the national family circle. c.n produce, or not so well; the value of which are as much averse to the cold as coffee. To save a feeble but sincere tribute from the re- hve ever been flowing from the United States to proach of idle compliment, it would be quite suffi- freign countries. Among these stand prominent try; but I hold that it does not arrive there at a pecient to instance Mr. White's explanation of their tle articles of sugar coffee, and Spanish segars; riod, or intensity, sufficient to kill this plant. The capacities for internal improvement in a manner aid many others from south and east that my preconducive not only to their own wealth but through smt limits will not permit me to take up; compris channels connected with national interests and de-ling a considerable amount of outgoings, and commerfences. There is, however, another view in which cal dependence. all that is connected with the growth and prosperity of the Floridas acquires a moral influence and en parts of Louisiana and Georgia; but experience becomes an object of grateful contemplation; it is has shown that it will not hold long in granulated there, in a soil congenial to the Frenchman's native or crystatized torms; it runs back into the fluid. from the deciduous classes; reserving the evervine, and to his own temperament, that a grateful Consequently it will not do for exportation, refining, people have located 20,000 acres of their territory, confectionary, nor to keep for home use, as it must of the former, that stand the severest frosts of winas a memorial of their gratitude to him who left his shortly ferment after returning back to syrup. And ter, would be killed by a moderate one did it haphome, his family, his rank, his fortune, and all that the cause is, that in those states their summer is not pen in spring. could ensure political and social ascendency, to stand lung enough to ripen the cane sufficiently. This or fall with our fathers in a gloomy and douttful con- advantage we have in Florida by being farther temperatures, that being a mountainous country, test for independence. In the state of Florida the south in latitude, and still tarther south in climate they prefer planting their coffee on elevated grounds; descendants of the illustrious LAFAYETTE shall sit than what our latitude speaks for: - a consequence considering the plains too hot. There they ascend under their own vine and their own fig tree; by of the combination of the local causes I have above hills to seek such temperature as we have on our them, let us hope, shall her councils be adorned and her shores defended. For the prospects of a not the case in Louisiana nor Georgia. They can here, whether rice would grow as far north as this.

St. Augustine, Dec. 5, 1826.

COL. JOSEPH M. WHITE,

the our mutual friends, Messrs. Mitchel and Fatio, ten or twelve days, when it must be turned over to kad formed an elegant one, and quite to the purpose. There, then, remains for me but a compliance with the latter parts of your request.

The grand cause of the much importance of this tivator. country to the United States, in matters of agriculture, is evidently its climate. That being tropical, and the only piece within their territorial jurisdiction that is so. We know that it does not lie withtion that is so. We know that it does not lie with in the tropics; but being immediately adjacent to that of Cancer, and so powerfully influenced by an grand canal; comprising a gross extent of about thir wickedly. The nutritive fluids of deciduous plants extraordinary combination of local causes, it has teen millions of acres; and even that stocks of cattle are, evidently, absent or paralyzed during the winbecome, to a large extent, completely tropical. This be raised in the interior parts of the whole peninsula stands evidenced by many tracks of nature on her of East Florida; but along the two seaboards, south ways present in a state of action. It may even be soil; and particularly so by the indigenous and lux- of that line, it would be a prodigality of the bounties said, that the former are in a state of torpid insensiuriant production of many of the perennial plants of Providence to put any of those articles into our bility, not asleep, to exist so long without lungspeculiar to that class of climate.

Our lands there of all denominations produce their leaves.

ast from a meridional line about thirty degrees, by in the more southern parts of Florida. which it splits off a body of the trade winds in their

Sugar has been very profitably made in the southsoil with which their destinies may be identified, all make good molasses; which is better than planting londing, for a time, suffered in the same way. Cot-Americans must feel concerned.] of this Union is Florida. Another advantage we here, but not in Georgia. Our sweet grange, an have, for which only in this singular mediocrity of indigenous tree farther south, is an exotic here; climate can be found a cause, is that our cane can and one that never becomes naturalized, for they go Dear Str—Before I could get some particulars lay two and even three months after being cut down, ascertained, important to the formation of a map of the island communication to Cape Florida, I found believed in Jamaica, for there it cannot lay above by frost at St. Augustine. molasses, or the distillery, as no longer capable of coffee, it would never be hurt by cold at St Augusgranulation, from the acidity it has contracted tine; because this class of plants do not vegetate. This is an advantage of vast importance to the cul-during the period in which they are bare of leaves;

should be planted, and live stocks raised, in all severest frosts, when preceded by a considerable West Florida, and that part of East Florida lying spell of cold weather, do them no injury; but a

The most prominent features of this singular, and the cane well, high hammac, low hammac, freshto us very important, combination of circumstances, marsh, swamp, savannah, pine lands, what we call are—lirst, being surrounded by extensive bodies of "pine barrens," all produce it to great profit. No alt water; secondly, being a long and narrow plant will grow so generally well, if but the climate tongue of land, situated between two gulfs; thirdly, suits, as the cane: a native of low, fresh, rich lands, those gulf streams proximate and parallel to its it readily accommodates itself to poor, high, and shores; fourthly, its position inclined towards the brackish situations. This, at any rate, is the case

Coffee is another article of great importance to rogress from east to west between Florida and the United States; and undoubtedly not to be pro-Cuba, and cants it on to the lower and even surface duced, even partially, in any other part of them. of the sea on the right hand; and that surface mov- I am aware that but few persons, even of those who ing fast to the north, encourage it to the north-west, live in Florida, will subscribe with me in this opinion. I am, likewise, aware of their prejudices in The first, second, and third of these modify our forming opinions on what they never examined, inhtitudinal cold of winter; the fourth, our climatical deed, what they never saw nor thought of. That leat of summer; with an assurance of cool nights, they take into view only the latitudinal character of ed country for animals and vegetables. Let them go Our great desideratum over all the parts of the and look at that part between the mouth of Indian river and Cape Sable, a distance of about one hun-

I do not mean that cold never invades that councoffee, like all other deciduous plants, is in a state of torpor in the winter, during which time a considerable degree of cold cannot injure them; and when the spring has awakened them from their winter sleep, no cold can occur there that would be fatal. Nature has invariably, we see, selected the greater portion of her plants for northern climates

Moreover, in Cuba, where they have a choice of

Was the sweet orange a deciduous plant, like the vator.

but the evergreens are growing, more or less, I could consent that grain, sea island cotton, &c., throughout the winter. We see plainly, that our

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characters of plants

The next objection is, that there is no land in that quarter for its cultivation, because Mr. Vignoles map dashes off millions of acres with extensive inundated region; and a gentleman of Geor portion of her cares than her navy and her commerce And in this section, a larger portion is occupied by gia has published, that all Florida is a sand bank another set of articles of native produce, and of great water that, in the main, makes the country more rolled up by the sea like Cape Cod. Mr. Vignoles extent and value. These are its live oak, yellow valuable. But even under these circumstances the ments much applicate for his map; unquestionably it is the best we have had, particularly of the inter-timber. But particularly these four have met the suppose about eight millions of acres. Generally nal parts of the country. Nothing in the affairs of admiration of the English, and all other markets they are of better quality in points of soil and pasman is to be expected perfect at once. Why, in a where they have been seen, as superior in quality turage than the coffee region, and particularly so in part of Scotland, now famed for arts and literature, to the same denominations of timber brought from the inland parts. But the coffee region has the adit was the practice to bring water from the spring all other countries; and especially the yellow pine for vantage in that which most enhances the value of in a bucket carried in one hand, until an ingenious ship planking. I have seen the yellow pine of central all, climate. Here again is an extensive property person contrived a yoke across the shoulders with Florida bought in Savannah, Georgia, for this pu-a bucket suspended from one end, and a stone from pose at 50 per cent. more price than her own. Thee it admitted of an erect position of the body, consequently less fatiguing. In process of time, another The same kinds of timber are to be found some may be emphatically called the most valuable lands genius substituted another bucket for the stone: what to the north and south of this country; but a in the United States, probably in the universe, and so on, all our affairs have progressed. This quantity, size, and quality, Florida is certainly ther. They lay in a tropical climate of singular traits of and so on, all our affairs have progressed. This gentleman necessarily wrote much from lame infor- home. mation; and of that part of Florida, he was an hundred times more likely to get information from ing an inland navigation along our Atlantic shor, one; they are midway in position and climate bethose who knew nothing about it, than from one who from Fernandina to Cape Florida, three hundred tween North and South America; they are on the knew any thing of it. There, as in all other parts of the country, are to be found some of our several denominations of land. Probably not so much of live oak-hammacs as of fresh marsh and savannah; lay open one hundred and forty miles of the oc vies; and these, with the still more valuable and latter of water than the former of limber and roots, besides affording a soil much more valuable; and there is always time enough to do this while the cof fee nurseries are growing to a size for transplanting.

No pains ought to be spared in raising an article so desirable for home consumption and trade as ooffee; so safe from agricultural dangers that assail larly called that middle space our sugar region, in value, wheat, rice, cotton, tobacco, &c.; so neat, light, though it is all a sugar country to Cape Sable; but The cotton and grain region, from the line of our convenient, and cheap in culture, every single-hand-coffee requiring a still more southern tract than grand canal to St. Mary's river, including West ed and large planter can progress to an estate on cane, because of its perennial high growth, I have Florida, contain in gross about thirteen millions of the same ratio; and so lucrative. We have the assigned to it the southern moiety of that extent. climate, bless our stars, and we can make the soil was it necessary; whereas, without the climate, the and a quarter millions of acres; comprehending all about nine millions of acres. In this section the best of soil, seed, seasons, culture, and care, would the country south of a latitudinal line drawn across soil is generally of a lighter quality than those be altogether unavailing. I firmly believe that we the peninsula from the mouth of Indian river. This more southern; very productive when aided by rest oan raise the coffee in that part of Florida on as space, with small exceptions granted to individuals, or manure, but not so dwable under the barbarian good terms as they do in Cuba, and better, when not exceeding the fractions over nine millions, is mode of culture hitherto general in this country, as we take into account the duty on importation. It all United States' property. Deduct then, if you well as in the southern Atlantic states. A large is well known that we always exceed them in the will, two millions for waters, beaches, &c., a large portion of it can be deservedly called good land, and quality of their native orange; and, indeed, the pre- allowance—there remains seven millions of mar-but a small one good for nothing. Nearly the terence has been given to our oranges in London ketable acres. Coffee, or at least cane, will grow whole is a good stock range, and affords fine timover those of Lisbon, although, as I have said, an to advantage on a very large portion of it; and nearly ber. unnaturalized exotic, ever under the hammer of the whole is susceptible of being made very profita-

Spanish segars is an article of great and expen-Europe. We now raise and manofacture here, as far north as St. Augustine, as good, not as those that are imported from Cuba for sale, they are gene rally of a second class, but as good as they keep parts; leaving one sixth on each scaboard as an agrithere for the rich anateurs. Here, then, is a very considerable source of wealth.

climate, and geographical situation of country, can-vert the middle four sixths into a grazing and "rootnot fail to make Florida valuable to the United mercial, and highly political traits of character.

Yet to us the sweet orange is a most valuable hemisphere, of many of those articles for which tree; no other, not even the spice trees of the east. each is dependent on the other, and both dependent Indian river to that of our intended grand canal. produce in the east itself so valuable an annual in- on the other hemisphere. The United States have contains, in gross amount, about eleven and three come per tree. These, no doubt, met, for a long not within their pale another tract of so much gene fourths millions of acres. Here the individual time, as few friends as the coffee. I say, let the ral value to the whole Union. Agriculture, com claims amount to more than all other parts of Flosceptical peruse the region I cite, and if they are merce, national policy, that navy with which they rida put logether. But even here they are scatteropen to conviction, I trust they will become prose-are to compete with Great Britain and look down ed, and, with but few exceptions, narrowly filed lytes, though they may not be inquirers into the other nations, all join in loud calls on the general along the shores of water-courses, leaving valuable government in behalf of Florida.

bly productive of the cane, if not of both cane and coffee. The climate is there, and some soil to be- salt marshes, and Spanish grants, in order to see sive consumption in the United States, and over gin upon in all parts; no rocks nor mountains engross the surface. But admitting that we divide the breadth of the peninsula, which in its widest part is one hundred and forty four miles, into six cultural country, so that the haulage should never exceed foorteen miles, which in Georgia and the This singular and very valuable mediocrity of Carolinas would be considered but a tritle, and conoarried too fast or too far. It stands as a midway its primitive growth; its stores of live oak, pine, Their hottoms are firm lands, soft, when wet, to the dispenser to the two immense continents of this cedar, and cypress.

The sugar region, from the line at the mouth of lands in their rear: for we more southern Floridians Another very great reason why the U.States should never thought of hauling a mile to a landing. To not be parsimonious, nor tardy, in aids to Florida, i have the river at the door, superseded, in our opinthe bringing into market, for the benefit of no less nions, all other advantages of soil and situations. This was certainly an improvement, as extraordinary good qualities have grown out of the finest lands in Florida will be drained by it, same singular and influential mediocrity of climate and otherwise made approachable; and then they character-that of our cane laying from two to The several small canals contemplated in ope-three months cut, uninjured, is a very important and, in most instances, much easier to clear the two hundred and seventy Atlantic front of our coffee remove lasting artificial products of its soil, sugar, gion, from Cape Sable to the mouth of Indian rive; coffee, Spanish tobacco, &c., not flour, corn. cotton, and the whole Atlantic front, one hundred and seventy miles, of our sugar region; from the mouth of Indian river to St Augustine; and the whole of Indian river to St Augustine; and the whole of Ive comfortable and salubrious, throughout. I rejour cotton and grain region, of sixty miles front, peat, that probably this globe does not produce an each content of the source from St. Augustine to St. Mary's river. I have particul equal body of wild lands to compete with Florida

acres. Allowing for water courses, beaches, and The collee region contains in gross about nine Spanish grants, there remains to the government

Now let us make a total of these amounts, after a reasonable allowance for beaches, water-courses, what remains nett to the general government.

94 millions gross-about 7 net Coffee region, Sugar do 112 do. do. 8 do. do. 9 do. Coffee & grain, 13 do.

34 24

We find, then, that the general government owns about twenty-four millions of acres of marketable lands in this territory. As to inundated regions, we ing" district: and a good country and climate it is have none such. We have swamp and savaunah States, and conspicuous to the world as an agricul for this purpose, and near to Cuba, an endless mar- lands, salt and fresh marshes, which are only petural country, independent of its salubrious, com- ket for our live stock. Here, at once, is a great riodically or accidentally under water; and none of property of the United States, to be improved by a these in such bodies as to be called regions. None No fostering cares or expenses towards bringing triffing part of a comparatively triffing canal. And that cannot be drained, for they are above the level speedily into operation its many resources, can be this, you will recollect, is altogether independent of of our rivers, and these above the level of the sea. with this difference, that there it is paid in rice; did they fully conceive, nor conceiving what they useful journal, will be acknowledged by south in Florida, in crops of more value. Our did, appreciate its geographical relation to interna-country being nearly flat, it necessarily occurs that tional policy, nor its internal value to maritime pur-J. S. Skinner, Esq. heavy showers must take some time to get away poses. But when Britain parted with it, a surround-from the surface. A traveller, at certain seasons, jug confidence of disasters had, to her, sullied and riding across a large tract covered with water, from jeopardized its value. And when she allowed it to the cane, have been made by a French gentleman a few inches to a few feet deep, may suppose at pass from the hands of her ward, she conceived its of considerable planting experience in the West first view an inundated country; but if accompanied importance, not contemplating such canals as this by observation and judgment, he would soon per of Florida, nor that of Guatimala, and Cuba at resting particulars. If he can be charged with any ceive a variety of vegetables projecting above, hand, a lien too small for her claim of above an growing in rich luxuriance, such as never grew on hundred millions of dollars. Spain left it with re- and overrating the disadvantages, attending the inundated lands; and, that the last sheet of water luctance; but the length and variety of her missor-that occupied the surface must have soon made its times, and the wretched conduct of her king, left estimates the common produce of an acre to be exit by currents, filtration and evaporation; and so her without a choice. will this, or such plants could not grow there. We are strangers to such freshets as do great mischief people above all others to whom it is of most imin neighbouring countries.

crippled down for more than five years.

nor do I presume that he ever will.

Furthermore: it was conjectured at Washington, that the good lands, had there been any, were all granted away to individuals. It is said that Mr. Monroe, our late worthy President, replied to an observation of this kind; The United States get a great bargain, if they get but the sovereignty of Florida for five millions of dollars. An evidence of Sir, his wisdom. Yea, they had better pay lifty millions You will find a short article, in the enclosed pafor it, than let Great Britain fortify a spot of it in per, on the culture and product of the sugar cane, earnest: it would cost more wealth alone than this which may not be uninteresting to some of your who has been used to the cultivation and is a good to dislodge them. And, that England gave up her readers. object here only for another close by, I have ever

getable recrement; and when drained like the rice them, both holding so much territory within the communications of intelligent writers on the sub-

portance; and to whom it is to become as collate-At a reasonable calculation, the United States rally valuable as any other state in the Union, Lou-ascertained. Another advantage which seems to be own in this territory about twenty-four millions of isiana and New York, probably, not excepted. It overlooked, is that which we have over the West Inown in this territory about twenty-nour minious or realized and they contain the distribution of the "pine bar certainly behaves them not to be provingal in time, dia planter, in the duty on the importation of this reus" of which are destined, at no distant day, to nor parsimonious in means; in no part of the Union article; and the comparative cheapness and facility be worth more to their owners than the first lands can these be employed so much to the general good. with which we can erect our buildings and apparaof Alabama, Georgia, or the Carolinas, acre to acre. To encourage a rapid and large emigration, is the tus. We hope soon to present a detailed statement And very many of them would have been so at this shortest, cheapest, and most efficient course. No of the actual expenses of these to the public. Anoperiod, had that enthusiasm which anticipated the matter from whence they come, it is to the most valuable change of governments, not been smothered by lucrative and healthy climate, to the most valuable mismanagement and neglect. A mere lear of being and exposed tronticr they go. Nor no matter of cheated by the old inhabitants, out of a few frac-whom composed; we have vast fishing and wrecks.

The disadvantages of which he speaks as resulttions of these twenty-four millions of acres, has cost ing, as well as planting grounds; all will find em the government some thousands of dollars, lost to ployment, and soon feed, clothe, protect, regulate, winter, are certainly of very partial and rare octhe people some millions, and kept such a country and rectify themselves. Nature has liberally done currence, more especially to the south of St. Augusher part, aye, more than her part, by our country; tine; and the inexperience of those who have hi-But to this, so far, there is some extenuation it now lays with our rulers to do theirs. One hun-therto been engaged in the culture, although it has The general government had no knowledge, nor dred thousand upland cotton workers, not slaves, retarded the interest of the parties concerned, yet any reason to conceive, the value of the jewel is are now sinking fast to run in the neighbouring had acquired, farther than some of its immediate states. The day of cotton, in this country, is over political bearings. It sought the sovereignty of it with so many; at least it is down to twilight. Where for years, with avidity, in order to keep off a strong, can they go to that it is not a repetition of the same remarks, and we thank him for the opportunity he politic, and ambitious neighbour. It was evident articles with which the markets are overstocked? has afforded us of laying his observations before that a rival power, who held Spain in leading strings, Florida alone holds out others; and others so much the public, on a culture of such great and increascould turn it when she pleased into a Gibriltar on wanted by the world at large, that was her whole ing interest. the Mississippi. And even then the covernment gross amount of country all good land, there would did not know that that rival could be defeated by a not be enough of it. But mankind in general, how ship canal across the peninsula, did she contemplate much more so this republican people, prefer lean a transfer of her Gibraltar to Cuba for that pur-pose, much less could it be acquainted with its agri-a wilderness to avoid political oppression and legal cultural character. The American people supposed it a mere waste, something like Salisbury plans, or, perhaps, those of Zahara; for the Carolinas, until them off; that frowns these out? Settle in a country the price of cotton grew out of the revolutions that has grown into a wilderness of woods and litikicked up by Napoleon, were considered as no gations; without a circulating medium; without great things, and Georgia less. This might have led to the inference that Florida was intrinsically money? Government has none in market, but in the and forage, ought to cultivate 3 acres good for nothing; and, indeed, a very respectable most inferior parts of the country and climate; those gentleman of southern Georgia, who, as he says of the old inhabitants are all, every aere of them, himself, came into this country to see it, who was locked up, and have been so for above five years. Forty negroes, according to the same neither short-sighted nor in datage, compares it to When the laws do not suit the people at home, Cape Coil, a sea shore sand bank, eight hundred those from abroad will not come to suit the law-miles to the north of us. A gentleman of Florida, makers. The first point of wisdom in an infant too, night have alarmed the government by his country, is indulgence; the second, is indulgence writings, as it respects their interest in these lands, and aid; the third, is indulgence and promotion. I have not heard that he ever set any rivers on fire; The child must be cradled, not seourged into manbood.

Respectfully, yours sineerely, GEO. I. F. CLARKE.

FLORIDA.

Washington, Jan. 2, 1827.

lieved, and do still.

Florida's former owners, the British and Spasem not be understood or appreciated. I shall the best soil. This difference, which is observed

fields of Carolina, will pay the work bountifully; tropics, this was not a first rate consideration. Nor ject; which, if you deem worthy of a place in your Your obed't serv't,

JOS. M. WHITE.

The annexed observations upon the culture of error, we think it is in underrating the advantages, estimates the common produce of an acre to be 1200 lbs.; whereas at Tomoka, we are credibly in-

CULTURE OF SUGAR CANE AND ITS PRODUCT.

An acre of good land cultivated in cane,
with the requisite care, ought to yield commonly 1200 lbs. of sugar, at \$8,
It yields also, in addition, a barrel and
one-filth of syrap,

18 00 \$114 00

\$96 00

[Florida paper.

of cane, at \$114, .

342 00

proportion, ought to cultivate 120 acres which at the rate of \$342 per head, would be

\$13,680 00 From this production we must deduct a fourth for expenses and wear and tear, 3,420 00

Leaves a nett annual produce of \$10,680 00

I assume in these ealculations the houses to he already established; for the formation of a property of this kind leads to great expense; the workmanship, however, if well attended to, does not require renovation in mass, but often nevertheless may be estimated at about \$30,000.

Connected with this calculation, it would be neeessary to have good land, and a resident overseer economist; for such an overseer would commonly The capabilities of Florida for planting, and the produce more with 25 negroes, and with ordinary niards, did not know its tropical character. But to occasionally send you extracts, or copies of the every where between the result of good and had

management, is much more sensible and considerable here than elsewhere, in the nature of the culture, the nature of the negroes, who cannot be lost sight of for a moment, without the work being stopped, retarded or badly done; and finally in the imperious disposition of the soil and climate.

Allowance being made for different obstacles which are encountered in the course of the grinding seasons, which commence at the end of October, and ought to last till the end of February, one may count upon more than 45 days of grinding season, in which the quantity of 3000 lbs. in twenty four hours, which is what can be realised, with the proportional molasses, &c .- 250,000 lbs of sugar.

It must not be forgotten that besides the land ne cessary for cultivating the sugar, there must be DEAR SIR, added that which is necessary for provisions and forage; for at the time of the grinding season, the in a little time, owing to the watery particles which it still contains, and which the cold and frequently it still contains, and which the cold and frequently humid climate hinders from disengaging freely, and which, on the contrary, is only an embarrassment, the more so as the planter is obliged to make it in heaps at a distance from his buildings. One must also add to the work already mentioned, the necessary firewood, which cannot be fixed at less than three lundred cords for a grinding season at the planter is obliged to make it in of your friends at Plymouth, or any other places on the sea coasts. But they must make themselves warn my brother farmers of the evil.

A Long Island Farmer. employed for fuel.

During the six months from the beginning of Occommanded by his work, which presses on him with force and rapidity; so much that the crop of provigrinding season imperiously prescribes, the preparation of the land which occasions the different cut he commands for other work; such as repairing in closures, digging and repairing drains, and weeding,

which demand great attention.

cient chaff, to manure the half of the culture.

Sugar cane may be planted in January, Februaare not without their inconveniences.

September and part of October, for at that epoch find it best ploughed in the autumn. the cane receives their assaults before it has acquired its entire maturity, and thus thrown down it will give to any one you shall direct, our 4th vodeteriorates promptly by the vegetation which it lume, in which every necessary information is givhas not entirely lost, by the humidity of the soil on en, respecting clay burning. A Mr. Newbold, near which it lies, and by the confusion and deficiency Bristol, in Pennsylvania, is burning clay to great of air which makes them stagnate, and in this con- account. dition they can give only a middling quantity of

bitter syrup.

is nevertheless intermixed with days, and above all henches. Magna est veritas et prevalebit. I am rejoicwith nights very cold, accompanied with frost, which ed at the present agricultural zeal. What a garden makes it necessary to make the sugar in the time would our country have been, had one balf the spi of somewhat over four months, in the only time rit nuw exhibited, shown itself half a century ago. when it is possible to take advantage of the cane, and the most vigorous of the year, and the least fa-

vourable to the labour of culture, as well from the shortness of the day, as from intemperance of the

The third inconvenience is the defective supply of manure which this country affords; and finally the inexperience of those who are now superintend ing a culture which presents many obstacles from the necessity of the operations and the novelty of the labour.

ON SALT AS A MANURE.

Anerican Farmer.

Betmont, Aug. 21, 1819.

than three hundred cords for a grinding season of ties of sea sand, or salt applicable to their lands 100,000 lbs. of sugar. This wood must be placed, per acre. In New Jersey, on some parts of the cut and piled, near the furnace, to be conveniently coast, the farmers are in the habit of freely applying sea sand to the most barren and unpromising sandy soils, with great effect, yet with little judgtober to the end of March, the sugar planter is ment or care. If some principles and attentive regard to circumstances, both as to times of application, quantity applied, and mode of preparation, poiled, or ground into meal. It is an advantage to sions and forage, the different operations which the were established, how much more would be made of this powerful auxiliary to their husbandry? Sand come very sour, before they are fed with it. Dough applied to sand, is contrary to all the common prin- made of meal and water, mixed with boiled potatures at convenient seasons. The other six months ciples we have known hitherto But the salt is the magical power, and not the mixture of soils. Sand with loam, or (better) clay, we know to be highly efficacious. The salt of the sea sand alone must be the cause of fertility, when sand is applied to sand. mit of cultivating the cane after it is three years old, and to pass from this to a further ration, of which the product itself is very indifferent; it might be nevertheless advantageous if these works. They should receive their meals with regularity. They should always have as other salt products of the shores, or marshes, on the nevertheless advantageous if these works. be nevertheless advantageous, if there were sufficoasts? My answer is, that I should prefer the salt than that quantity. If the issues in their fore legs sand, salt, or salt grass, &c., without the plaster. should be stopped, they should be rubbed open with I am certain that the great balance of facts has a cob. ry, or even March, it vegetates and rises from the heretofore been unfavourable to grounds plastered ground at the beginning of spring, languishes in on sea coasts, or with salted manures. But there May and June during the dry season, begins to be are instances wherein success has attended a convigorous in July, and in the space of three months trary opinion and practice; some will be found in only, favoured by rain and heat, it rises, thickens, the Massachusetts Agricultural Repository. So that and at the end of Ortober is in condition to be your friends had better make trials with plaster, cut and ground with advantage. The precaution is and judge for themselves. As to their sea sand necessary of pulling down the cane and placing it it should be ploughed in, to prevent evaporation, in covert rows before the severe frosts. This culturalists it be used as a top dressing. In the former ture offers certainly great advantages, but which use, more may be used than in the latter. But the Jersey people are little nice about quantity. The first of these are storms or gales of wind in however, sometimes overdose their fields. They

Set your Plymouth friends to burning clay.

You are an itinerant missionary, and gathering vour own congregations; you have hearers. I have The second inconvenience is the influence of been, for some fifty years, a stationary preacher, winter, which although generally very temperate, and until lately have delivered discourses to empty

Yours, very truly, RICHARD PETERS.

(From a New York paper.) ON MIXING TAN WITH MANURE.

I cultivate a large farm; and have long been in the habit of purchasing manure from those who collect it for sale; of late I have become quite discouraged, the manure which I have purchased has, I think, rather injured than benefitted my land. Not knowing the cause, I at length visited the depositories of the manure, where I found large quantities collected for sale, and saw large heaps of the tan which the morocco leather dressers use in their Copy of a letter from Judge Peters to Elkanah Wat- business, laid to ferment until it turns black like old son, Esq. - Communicated for publication in the well rotted manure; and I saw men employed mixing this sour substance among the good manure. This fixed my opinion at once, and I am fully con-In answer to your letter; I have no other reply, vinced that the failure of my crops was owing to than that of reassuring you of my readiness at all this spurious stuff, which no doubt destroys all the animals must be fed chiefly at the hand: and one times to serve you in the good cause you take so may calculate here as nothing, the assistance from the pressed cane for it decomposes and putrifies. It is high time that some younger may calculate here as nothing, the assistance from much interest in. It is high time that some younger rocco leather dressers for carting away their tan, the pressed cane, for it decomposes and putrifies champion should substitute himself, and suffer you but those good honest fellows do not quite give it

RURAL ECONOMY.

FATTENING SWINE.

The corn given to your swine should be soaked, et the food for swine ferment a little, but not betoes, is excellent for swine. Their lodgings should be dry, warm, and kept clean. To prevent measles and other disorders, and increase their appetites, a little brimstone, now and then, given in their dough, is useful. Change of food is advisable in every [N. E. Farmer.

ON DRESSING POTATOES.

Where these useful roots are boiled for the purnose of feeding swine, or other animals, they should be put into bags, or sacks, leaving room for them to swell; and when sufficiently boiled, the sacks should be taken out and left to drain, for the water becomes so strongly impregnated by the poisonous propertics of the routs, as to be highly detrimental to animals in general. This will account for the disappointment of those who feed pigs with potatoes mashed with the water in which they have been boiled. When prepared agreeably to the above direction, potatoes become a most beneficial food for pigs, but they are by far less nutritious in the raw state, for the poisonous quality not being drawn out by boiling, it counteracts the benefits of the farinaceous qualities of the root.

ECONOMY IN FIRE WOOD.

The size into which wood should be split, so as to be durable in burning, and yet give sufficient heat, is a matter worthy of some consideration. If split very small, any given quantity will give more heat for a while, but will be quickly consumed; if large, it will consume slowly, but will burn less readily, and give much less heat. A fire composed of billets of wood not more than fourteen inches long, will give more than two-thirds as much heat as that opinions are the result, not of solitary conjectures, mind continued the same; that she could cease to made of wood double that length. Perhaps billets of from three to four juches, of a medium diameter, two extremes.

INTERNAL IMPROVEMENT.

MEMORIAL.

Extract from a memorial of inhabitants of the counties of Ontario, Seneca, Wayne, Yates, Tompkins, the Congress of the United States.

Your memorialists conceive that the Susquehanna river is susceptible of being so improved, and that its improvement will soon be so effected as to answer valuable purposes as a medium of communication. Its navigable branch, the Chemung or Tioga river, in this state, approaches to within eighteen miles of the Seneca lake, a fine sheet of water, never closed by ice, stretching north, nearly forty miles to the great mail route from Albany to Buffalo, and having a good artificial navigable communication with the Erie canal, which latter reaches within ten miles of the southernmost navigable wa ters of lake Ontario, at Sodus bay, being the best harbour on the lake. A canal will soon be opened from the Tioga river to the Seneca lake, and from the Erie canal to lake Ontario.

The Seneca lake lies nearly or quite due north from Washington city; the distance by passable roads, through Baltimore, Harrisburg, Northumberland, &c. being two hundred and eighty miles; whereas by the routes usually travelled, through Philadelphia, New York, Albany, &c. the distance is about six hundred and twenty miles - being more than doubte the necessary distance, or three hundred and forty added to two hundred and eighty miles of travel and transportation in passing between those places. It is understood that the route of a national road was surveyed the last season from Washington city to Buffalo passing through Williamsport, in Pennsylvania, from which place to the head of Seneca lake, the distance is about eighty miles; and from the latter place to Sodus bay, the distance is sixty five miles

Your memorialists, therefore, respectfully pray your honourable body to pass a law authorising the survey of a road from Washington city via Baltimore, in Maryland-York, Harrisburg and Northumberland, in Pennsylvania-and Newtown and Geneva, in New York, to Great Sodus bay, on lake Ontario; and providing the means for its accomplishment in such form and manner as Congress, in its wisdom, may deem proper.

LADIES' DEPARTMENT.

THE WORLD NEVER KNOWN BUT BY A CHANGE OF FOSTUNE

THE HISTORY OF MELISSA.

Diligitur nemo, nisi cui Fortuna secunda est, Quæ, simul intonuit, proxima quæque fugat. When smiling Fortune spreads her golden ray, All crowd around to flatter and obey: But when she thunders from an angry sky, Our friends, our flatterers, our lovers fly.

Miss A. W.*

TO THE RAMBLER.

Sir,—The diligence with which you endeavour to little beyond neatness and independence. cultivate the knowledge of nature, manners, and life, will perhaps incline you to pay some regard to the observations of one who has been taught to know

but of practice and experience.

I was born to a large fortune, and bred to the will be found the most economical, as avoiding the knowledge of those arts which are supposed to accomplish the mind, and adorn the person of a woman. To these attainments, which custom and education almost forced upon me, I added some voluntary acquisitions by the use of books, and the conversation of that species of men whom the ladies other recommendation than sense and virtue. the name of scholars, but whom I have found a harmless and inoffensive order of beings, not so Tioga and Steuben, in the state of New York, to much wiser than ourselves, but that they may re ceive as well as communicate knowledge, and more inclined to degrade their own character by cowardheir learning or their wit,

From these men, however, if they are by kind treatment encouraged to talk, something may be gained, which, embellished with elegancy, and softened by modesty, will always add dignity and value to female conversation: and from my acquaintance with the bookish part of the world I derived many principles of judgment and maxims of prudence, by which I was enabled to draw upon myself the general regard in every place of concourse or plea-sure. My opinion was the great rule of approbation, my remarks were remembered by those who desired the second degree of fame; my mien was to look at pleasures which I had formerly enjoyed, studied, my dress was imitated, my letters were handed from one family to another, and read by those who copied them as sent to themselves; my visits were solicited as honours, and multitudes boasted of an intimacy with Melissa, who had only pect. seen me by accident, and whose familiarity had never or return of a courtesy.

I shall make no scruple of confessing that I was pleased with this universal veneration, because I always considered it as paid to my intrinsic qualities and inseparable merit, and very easily persuaded myself that fortune had no part in my superiori- of this rule, that no one ought to remind another to hope their continuance; when I examined my mind, I found some strength of judgment, and fer- which necessarily give pain whenever they return, tility of faury; and was told that every action was and which, perhaps, might not have revived but by grace, and that every accent was persuasion.

In this manner my life passed like a continual triumph amidst acclamations, and envy, and courtship, and caresses: to please Melissa was the general ambition, and every stratagem of artful flattery was practised upon me. To be flattered is grateness of falsebood. But, perhaps, the flatterer is

seventh year, when, as I was towering in all the should she think her cheapener obliged to purchase? pride of uncontested excellency, with a face yet lit-

raise admiration but by ceasing to deserve it, or feel any stroke but from the hand of time.

It was in my power to have concealed the loss, and to have married, by continuing the same appearance, with all the credit of my original fortune; but I was not so far sunk in my own esteem, as to submit to the baseness of fraud, or to desire any generally mention, with terror and aversion, under therefore dismissed my equipage, sold those ornaments which were become unsuitable to my new condition, and appeared among those with whom I used to converse with less glitter, but with equal spirit.

I found myself received at every visit, with sorly submission, than to overbear or oppress us with row beyond what is naturally felt for calamities in which we have no part, and was entertained with condolence and consolation so frequently repeated, that my friends plainly consulted rather their own gratification, than my relief. Some from that time refused my acquaintance, and forbore, without any provocation, to repay my visits; some visited me, but after a longer interval than usual, and every return was still with more delay; nor did any of my female acquaintances fail to introduce the mention of my misfortunes, to compare my present and former condition, to tell me how much it must trouble me to want the splendour which I became so well, and to sink to a level with those by whom I had been considered as moving in a higher sphere, and who had hitherto approached me with reverence and submission, which I was now no longer to ex-

Observations like these, are commonly nothing proceeded beyond the exchange of a compliment, better than covert insults, which serve to give vent to the flatulence of pride, but they are now and then imprudently uttered by honesty and benevo-lence, and inflict pain where kindness is intended; I will, therefore, so far maintain my antiquated claim to politeness, as to venture the establishment When I looked upon my glass, I saw youth of misfortunes, of which the sufferer does not comand beauty, with bealth that might give me reason plain, and which there are no means proposed of alleviating. You have no right to excite thoughts absurd and unseasonable compassion.

My endless train of lovers immediately withdrew. without raising any emotions. The greater part had indeed always professed to court, as it is termed, upon the square, had inquired my fortune, and offered settlements; these had undoubtedly a right ful, even when we know that our praises are not to retire without censure, since they had openly believed by those who pronounce them; for they treated for money, as necessary to their happiness, prove, at least, our power, and show that our favour is valued, since it is purchased by the mean-portion? I have always thought the clamours of women unreasonable, who imagine themselves innot often detected, for an honest mind is not apt to jured because the men who followed them upon the suspect, and no one exerts the power of discern-supposition of a greater fortune, reject them when ment with much vigour when self-love favours the they are discovered to have less. I have never known any lady, who did not think wealth a title to The number of adorers, and the perpetual dis-some stipulations in her favour; and surely what is traction of my thoughts by new schemes of plea-sure, prevented me from listening to any of those ed by its loss. She that has once demanded a setwho crowd in multitudes to give girls advice, and tlement, has allowed the importance of fortune; kept me unmarried and unengaged to my twenty- and when she cannot show pecuniary merit, why

My lovers were not all content with silent desertle impaired, and a mind hourly improving, the fai-tion. Some of them revenged the neglect which lure of a fund, in which my money was placed. re they had formerly endured, by wanton and superduced me to a frugal competency, which allowed fluous insults, and endeavoured to mortify me, by the beyond neatness and independence.

I bore the diminution of my riches without any dies, which were once devoted only to me But, as outrages of sorrow, or pusillanimity of dejection it has been my rule to treat men according to the Indeed I did not know how much I had lost, for, rank of their intellect, I had never suffered any one mankind by unwelcome information, and whose having always heard and thought more of my wit to waste his life in suspense, who could have emand beauty, than of my fortune, it did not suddenly beauty, than of my fortune, it did not suddenly enter my imagination that Melissa could sink bely enter my imagination that Melissa could sink bely enter my imagination that Melissa could sink beneath her established rank, while her form and her spect were equally below my consideration.

exerted on the side of virtue, in the defence of in- her children? nocence, and the assertion of truth. I now find my opinions slighted, my sentiments criticised, and my arguments opposed by those that used to listen to me without reply, and struggle to be first in expressing their conviction.

The female disputants have wholly thrown off my authority; and if I endeavour to enforce my reasons by an appeal to the scholars that happen to be present, the wretches are certain to pay their court by sacrificing me and my system to a finer gown; and I The Board of Engineers for Fortifications, beam every hour insulted with contradiction by cow-sides having prepared a report on the defence of the

with having changed their conduct with my change Charleston, Savannah and Pensacola. of fortune. One is an old curate that has passed his life in the duties of his profession, with great reputation for his knowledge and piety; the other is a lieutenant of dragoons. The parson made no difficulty, in the height of my elevation, to check me when I was pert, and instruct me when I blundered; fitness of the soil, at the site selected, to support and if there is any alteration, he is now more timo- the foundations, having been unfavourable, a report rous, lest his freedom should be thought rudeness. was made to that effect, accompanied with a sig-The soldier never paid me any particular addresses. but very rigidly observed all the rules of politeness, In a subsequent report, recently received, it is satwhich he is now so far from relaxing, that whenever ed, that, on further examination and comparisor of for the site of the work, has been valued by asseshe serves the tea, he obstinately carries me the first the site with others that might be selected, it has sors appointed by the state of North Carolina, and dish, in defiance of the frowns and whispers of the been ascertained to be as eligible with regard to the Engineer has been authorized to conclude the

This, Mr. Rambler, is to see the world. It is impossible fur those that have only known affluence tions secure by alterations which will adapt them and prosperity, to judge rightly of themselves or to the soil, and which will be submitted for decision commencement of this work also, but no officer others. The rich and the powerful live in a perpetual masquerade, in which all about them wear borrowed characters; and we only discover in what estimation we are held, when we can no longer give hopes or fears.

1 am, &c.

MELISSA.

their mother, and it will be utterly impossible for a being procured in the manner stated, will be equal, main work will be commenced. substitute for natural authority to be found. I do or nearly so, to the cost of the land. say, (and do not say it rashly, or without much examination of the subject,) that those families, where the character of the mother is depressed to that of a mere housekeeper, are never well governed; and that, on the contrary, the sons of those mothers, whose rank in the family authorises them to be the counsellors of their children, are in childhood more amiable, and in manhood more worthy than others. If children are not under the government of the mothers, they must necessarily be left very much to their own guidance, and exposed to early associations unfriendly to virtue. Their char-acters will be mostly furmed by the influence of adventitious circumstances; unless, indeed, the fa ther can oversee them constantly, which is rarely the case. The father requires the boy to obey his mother, and perhaps gives him long lessons on the subject; but of how much weight they will be, in turning the scale between duty and inclination, when the child sees that the father does not respect her himself, it requires but little sagacity to conjecture. The habit of trifling, of dissimulation, and of re bellion, is thus acquired; and if grace effects an alteration in the state of the heart, it certainly operates under circumstances unfavourable to its [N. Y. Mirror.

them to be mothers of intelligence, good principles, and good deportment! How can an ignorant mother, devoid of cleanliness in her personal habits, of to the fulfilment of the objects for which it is designed.

The believed, it the story does not the story rapidly, but its progressed very rapidly, but its progress duration and good deportment! How can an ignorant mother, devoid of cleanliness in her personal habits, of to the fulfilment of the objects for which it is designed.

The only pain which I have felt from degrada honour and delicacy, give a good tone to the motion is the loss of that influence which I had always rals and a proper direction to the deportment of

MISCELLANDOUS.

REPORT OF THE BOARD OF ENGINEERS FOR FORTIFICATIONS.

Extract from the Report of the Chief Engineer to the Secretary of War, for 1826-dated Nev. 18.

The Board of Engineers for Fortifications, beards, who could never find till lately that Melissa sea coast, by fortifications, which was laid before was liable to error. There are two persons only whom I cannot charge now, engaged in preparing projects of works for

An appropriation was made this year, for commencing and completing the Battery at Bayou Bien-

Arrangements were made for commencing the work, but the result of experiments to ascertain the gestion of the propriety of selecting another ste. soil, as any one that could be substituted for it, and purchase agreeably thereto. that it will be practicable to render the fourdaas soon as the drawings for exhibiting them shall be prepared.

Fort Adams, at Brenton's Point.

More than three-fourths of the sum appropriated has been advantageously applied to this work during this year.' Stone, fit to be used in the construction of the work, is now prorured on the land purchased as an addition to the site. It is estimated workmen could not be obtained in the neighbour-FEMALE GOVERNMENT.

the amount that may be saved, by the reduction of hood, and arrangements have been made for prothe the sons of a family lose their respect for the price of that material, in consequence of its curing them from the north. On their arrival the

Fort Hamilton, at New Utrecht Point.

It was stated, in the report of last year, that the one half of the work had been laid out and commenced. The land in question was procured this year, but not until the season was too far advanced to lay out and commence the construction of the remainder of the work. The operations have been successfully and advantageously prosecuted, however, upon the part of the work which was laid out and commenced last year—the sum expended being greater than the amount of the appropriation of this year, and equal nearly to three-fourths of the as favourable this year as they were disastrous last amount available.

Fort Delavoare.

This work will be finished in the course of the year. The injuries produced by the sinking of the foundations, will then have been thoroughly repaircy to increase old, and to produce new injuries, dollars will have been expended by the first of Match has been of comparatively limited extent. It is proposed to load the foundations, as soon as practi- The Sca Wall, for the preservation of George's Iscable, with the armament intended for the fort, and, [Admitting the truth of the above, which nobody by that means, should they be still liable to further

Fort Monroe.

The large sums expended upon this work, during the current year, have been judiciously and advantageously applied.

Fort Calhoun.

The laying of the funndations of this work was commenced this year. On account of the depth to which it was necessary to carry them, the work could be conducted only while the tide was at its lowest stage, and has progressed but slowly in consequence of the frequent interruptions incident to this mode of carrying it on. When the foundations shall have been laid, the work may be expected to progress rapidly.

Fort Macon, at Bogue Point, North Carolina.

The encroachments of the sea upon the site originally selected for this work, made it necessary to select another site, and the time consumed in the surveys, and other preliminary arrangements requisite to the fulfilment of that object, delayed the commencement of the work until July last. Its progress since has been greatly retarded by the difficulty of procuring suitable materials and work-men It is proper to remark that, although an appropriation was made last year to commence this work, no officer could be spared to undertake it until the month of November. The land requisite

Fort at Oak Island, mouth of Cape Fear river.

An appropriation was made last year, for the could be assigned to its superintendence until late in the season. The site has been purchased, materials have been collected, and wharves and other conveniences to facilitate their reception, removal and preservation, have been prepared Buildings for storchouses, for workshops, and for ludging workmen, have also been erected. Competent

Fort at Mobile Point.

The construction of this work has progressed very favourably this year. On the 30th September measures adopted to get possession of the land upon last, the sum expended had exceeded the amount of which a part of the work would be located, had the appropriation of this year, and it is believed been unsuccessful, and that, in consequence, only the balance of the appropriation of last year will have been expended ere this.

Fort at Chief Monteur.

More than three fourths of the appropriation of this year has been applied in a satisfactory manner to this work. It may be completed next year with the sum estimated for that purpose.

Fort Jackson, at Plaquemine Bend.

The weather and other circumstances have been year, for carrying on the works of this fort. The limited extent of the work done last year has been fully compensated for by the quantity executed this year. The sum of 83,000 dollars was reported last year as remaining unexpended; it has been expend-The subsidence of the foundations during this ed, together with 23,000 dollars of the 90,000 dollars appropriated this year. The remaining 66,000

land, in the harbour of Boston.

This operation is connected with the subject of subsidence, to accelerate it, that its maximum may fortifications, George's island having been purchusso educating and bringing up females, as to qualify be ascertained. It is believed, if the work does ed as the site of a fortification. The work has latIt is expected that the work will be in a condition, at the expiration of this month, to afford the desired protection to the island during the approaching inclement season, and that it will be finished early next year. Materials of the most durable quality. and workmanship of the best kind, have been ap plied to so much of the work as has been executed. The repair of Fort Constitution, at Portsmouth, New ty, than early rising. Hampshire.

This operation was authorized by a distinct appropriation, and will be completed in the course of

The site for a Fort at Throg's Point, in Long island Sound.

Has been purchased, in fulfilment of an appropri The appropriation also ation for that purpose. contemplated the purchase of the privilege of the right of way through the grounds adjoining the site. This has not been done, because such a one as was desired could not be obtained.

and facility afforded to the prosecution of the fortifications, if appropriations for them, entire or partial, could be obtained at the commencement of the stocked with these beautiful and useful creatures. session of Congress.

The Board of Engineers for Internal Improvements have been occupied chiefly during this year in preparing their reports on the national road from the seat of Government to New Orleans, and the Chesapeake and Ohio Canal, both of which have been completed. Connected with the object last stated, they have examined the Wills' creek and Castleman river route, which had not before been examined by the Board. They have also fulfilled the duties assigned them by the act of the 18th of May last, for the subscription of stock in the Dismal Swamp Canal Company, and a copy of their report is transmitted herewith. Besides the foregoing, the Board have prepared instructions relating to surveys; have inspected the Delaware and Chesapeake Canal; and are now engaged in an examination for the purpose of locating a mail route between Baltimore and Philadelphia.

The Board have been so entirely occupied with the objects just stated, that they have not been able to prepare the project for a canal to connect Lake Ponchartrain with the Mississippi river, which was stated in the report of last year as one of the objects to which their early attention would be given. It will be completed, if practicable, before the Board proceed to the examinations relative to the Florida Canal, the Canals to connect the Coosa with the Tennessee, and to overcome the obstructions in the latter at the Muscle Shoals, and other objects to which their attention will be directed in that section of the country. But if it cannot be completed before those examinations shall be commenced, it will be attended to as soon as the Board win though she goes over the course alone. shall be disengaged from them.

LOST HOURS

One person rises in the morning at half past nine, another at six. If each live to be fifty years old. the one will have enjoyed sixty-three thousand, eight hundred, and seventy-five hours, or two thou sand six hundred and sixty one days, more than the other. Let us suppose, that there are throughout Great Britain, one million, five hundred thousand St Leger Stakes, at Doncaster, from the first day persons, who rise at a quarter past nine or later. Of of October, 1815." would, if they rose at six, he usefully employed. At this rate, fifty six thousand three hundred and forty-six millions, eight hundred and seventy-five thousand hours, or six millions, four hundred and thirtytwo thousand, two hundred and ninety two years of individual improvement are lost to society, every

the contractor who had undertaken to execute it, bundred and fifty thousand get up at a quarter past in a thousand successive hours, on Newmarketcleven or twelve.

> All this time is uninterrupted day, and composed the event. of hours in which the intellect is far clearer and more fit for study, than the rest of the day

It must be remembered, too, that nothing conduces ninre to health, and consequently to longevi

Suppose, out of the above number of persons. five hundred thousand should live four years-longer than they otherwise would have done, viz. fifty-four years instead of fifty; according to the ratio above. here are two millions more years of actual existence Ordnance department, undertook for a wager of utterly wasted.

CATS.

The first couple of eats which were carried to Cuyaba sold for a pound of gold. There was a plague of rats in the settlement, and they were purchased as a speculation, which proved an excellent It is proper to state, that expense would be saved one. Their first kittens produced thirty oitavas each; the next generation were worth twenty; and the price gradually fell as the inhabitants were

> Montenegro presented to the elder Almagro the first cat which was brought to South America, and was rewarded for it with six hundred pesos.

Southey's Brazil.

SPORTING OLIO.

PLAY OR PAY.

ST. LEGER, DERBY, AND OAKS-PLAY AND PAY BETS. To the Editor of the Annals of Sporting.

In answer to the question (whether a bet on the Derby is considered p. p or not) contained in your letter, dated June 15th, but which did not reach me till Monday, the 26th, on account of my absence from home, the better plan, perhaps will be to recapitulate certain rules relative to horse-racing which bear upon the point, and do not appear to be generally understood.

"That all double bets shall (on account of the frequent disputes which have arisen) be considered as

lay or pay bets.

"The person who lays the odds has a right to

choose his horse, or the field.

"When a person has chosen his horse, the field is what starts against hum, but there is no field unless one starts with him.

"Bets determined, though the horse does not start, when the words 'absolutely,' 'run or pay,' or 'play or pay,' are made use of in betting. For example, I bet that Mr. Udny's ch m. Mirandola, absolutely wins the King's Plate, at Chelmsford, in 1824. I lose the bet though she does not start, and

"Horses that forfeit are the beaten horses, where

it is run or pay.

"Thatched house, June 1, 1815 .- At a meeting of the Stewards and Members of the Jockey Club, held this day, it was resolved, that no bet, which shall be made on the Derby or Oaks Stakes, after the first day of June, 1815, shall be considered as play or pay, unless specified as such, between the parties. at the time the bet is made.

"That the above regulation be applicable to the

Thine as ever, Hyde-Park Corner, ?

June 27, 1826.

JOHN FROST.

Items from the Annals of Sporting of July 1826. half century. This is supposing, that these nine arduous undertaking of walking one thousand miles

nine, whereas thousands do not leave their beds till heath, for a wager of one thousand guineas. Upwards of 1100,000 are said to have been betted on

> July 17, 1720-Mr. Bernard Calvert started, at three, A. M. on horseback, from St. George's, in the Borough, proceeded to Dover, crossed, by barge, to Calais, returned in the same way, and arrived at St. George's church, fresh and hearty, about eight, P. M., thus completing his undertaking in seventeen successive hours.

> July 26, 1805-Mr. Thompson, a clerk in the twenty guineas, to run a mile in five minutes: he performed his task within three seconds of the time allowed, 'The Mall, in St. James's Park, was selected as the ground-time, early in the morning.

> Huntingdon, July 28, 1763-A quarter-of-a-mile match was run for one hundred guineas, between a gentleman and a gray gelding with one leg tied up, and won by the former. The horse's leg untied in running.

> July 30, 1817-Mr. Wells's Pipylina mare trotted twenty-four miles in one hour, twenty minutes, and five seconds, carrying a boy weighing seven stone, for a wager of one hundred guineas, starting from Hornchurch, in Essex; time allowed, an hour and a half. The mare performed sixteen miles in fiftyseven minutes. She was started again at the hour, after cleaning her mouth, when she completed the remaining eight miles in twenty three minutes and five seconds.

> July 31, 1771-Dunhavid, by Ivory Black, in running against Minor, the second heat for the King's Plate, at Canterbury, struck his hind foot into the fore pastern, and broke his leg. Three to one on Dunhavid, who had previously won the Plate at Salisbury and Winchester.

POETRY.

The following sweet, plaintive, and appropriate lines, were sent us last evening, by a young lady, as the signature indicates; and we shall always be proud to adorn our columns with the inspirations of the same muse. N Y. Evening Post.

THE DYING YEAR.

The dying year! How are those few words fraught With images of faded loveliness!

How doth it fill, with dreams of saddened thought, The heart that sighs for all that once could bless!

It falls with mournful sound upon the ear The knell of something we have long held dear.

Thou frail and dying year! ah, where are now The charms that have in turn been all thine own? The spring's young bloom, the summer's ripen'd glow,

The autumn's varied splendour-all are gone! And thou art sinking in oblivion's wave-Would that the griefs thou gav'st might then too find a grave!

Aye, years may pass; but yet time's rapid flight Would be unheeded, were it not he flings A cloud o'er all youth's hopes and fancies bright;

Alas! he bears upon his shadowy wings Darkness, distrust, and sorrow, while the mind Broods o'er the gloom to which it is consigned.

Thou dying year! hast thou not swept away Joys dearer far than any thou hast left? Have we not seen our hopes, with thee decay-

Found ourselves desolate? And thus hereft Of all the fairest brightest things of earth, June 12, 1809-Captain Barelay completed his Have we not turn'd away, sick of the world's vain mirth?

Have we not prayed that thou wouldst quickly fleet, When we were sunk in sorrow's deepest gloom;

Have we not learn'd each coming day to greet, Because it brought us nearer to the tomb? And thou hast fleeted; and with thee has past The strong, deep misery that could not last.

Sorrow treads heavily, and leaves behind A deep impression, e'en when she departs; While joy trips by, with steps light as the wind, And scarcely leaves a trace upon our hearts

Of the faint footfalls; only this is sure-In this world nought, save suffering, can endurc.*

Yet thou art a kind monitor, and we, In thee may mark the progress of our lives: My spring time is yet new-1 ne'er may see

A summer; and the fruits that autumn gives, For me, may never ripen. O'er my brow, Ere then, the grass may rustle. Be it so! IANTHE.

APPROVED METHOD OF KEEPING CROWS FROM CORN

RECIPES.

Take a quart of train oil, as much turpentine, and bruised gunpowder; hoil them together, and when hot, dip pieces of rag into the mixture, and fix them on sticks in the field. About four are sufficient for an acre. The birds assuredly will not approach the spot. The expense of the above remedy, for the evil occasioned by large flocks of ravenous birds infesting corn-fields, is a trifle, compared to the injury sometimes sustained in a few hours.

Richmond county, Va. 26th Nov. 1826.

DISTEMPER IN DOGS.

Dr. Blaine has described the disease called the Distemper in Dogs, with accuracy, and his medicines, in general, are successful: but a gentleman had administered Dr. Blaine's medicines to a favorite pointer, in the disease called the Distemper, but ite pointer, in the disease called the Distemper, but written from line to line, between all the lines, and the with no avail; the unvarying symptoms had come on, when the poor animal crawled into the field, and other line. Each of the above eight words should be on, when the poor animal crawled into the field, and fell among some grass, attempting, but in vain, to eat it. The gentleman followed this suggestion of a paper. By writing three or four sheets of paper according to the above directions, a very great change and ordered a handful of grass to be cut in nature, and ordered a handful of grass to be cut in shreds of about half an inch long, and when mixed with butter, to be put down the animal's throat: the of beginners. The parent or teacher should give the dose was repeated three times in every Iwenty-four first fine hand copies in the same words as the coarse

WASHING COTTONS AND LINEN.

goods, with linen; for the latter deposits or dis- be obtained by Post Masters for 25 cents in specie, ar charges a gum and colouring matter every time it one-fourth deduction, by the dozen. is washed, which discolours and dyes the cotton.-Wash them by themselves.

A late Paris paper states, that a woman was cured of a compound dropsy of long standing by drinking a glass of liquor three times a day thus prepared: -three handsful of white cresses and four white onions boiled in three quarts of water, and reduced to one-third.

NEW METHOD OF MAKING JELLY.

proportion of sugar, and stir the juice and sugar duct—On Salt as a manure—On mixing Tan with m until the sugar is completely melted; put it into jars, and, in twenty-four hours, it will become of a gress—The Highway On Alexandra Consultation of the sugar is completely melted; put it into jars, and, in twenty-four hours, it will become of a gress—The Highway On Melters On Foreles (Consultation) proper consistency. By this means, the trouble of gress-The History of Mehssa-On Female Gover boiling is avoided, and the jelly retains more com-pletely the flavour of the fruit. Care should be taken to stir the mixture until the sugar is complete- Items from the Annals of Sporting-Poetry, The Dyi ly melted, and fine sugar should be used.

THE FARMER.

BALTIMORE, FRIDAY, JANUARY 12, 1827.

Wanted by the Editor, for distribution, some of the seed of the early black-seed cotton, and seed of the Havanna segar tobacco. The original seed from that country will be preferred to that which is the growth of tobacco raised in this country.

35 The gentleman who called for the pedigree of the celebrated horse Tuckahoe, begs to renew his request, and is the more anxious, as he owns some of his stock, which he has been prevented from selling for want of the means of tracing the pedigree of that distinguished racer.

WILLIAM ZOLLICKOFFER, M. D., has been elected an honorary member of the "National Society of Natural Sciences of Switzerland;" and an honorary member of the "Washington Medical Society."

MEDICAL LITERATURE.

DOCTOR ZOLLICKOFFER'S Materia Medica of the Uni ted States, greatly improved, is now in the press, and will be completed in a few weeks. This work include: all the native medicinal plants of this country, which gives it an advantage over every other work extant upon this subject. Jan. 12, 1827.

WRITING.

Directions for improving the hand writing in a few hours.

The learner should shove the pen with the greates degree of quickness, and make every downward strok entirely straight, from line to line, and bear heavy, and equally heavy on the pen, without lifting it, in going through any word. All the capitals, as well as the small letters, should be made entirely straight, and slanted very much, and equally, and placed at prope distances. The lines may be ruled about one-third an inch apart, and the words men' and now should b can be effected in the hand writing, in a few hours.

The coarse hand will look something like the wor

hours, and a visible amendment almost immediately took place, which terminated in recovery.

hand; Know all men by these presents, that I, John James took place, which terminated in recovery.

The book containing every necessary instruction Washing cottons and Linen. with wood and copperplate engravings, and the har Never wash muslins, or any kind of white cotton writing transferred to stone, and printed from it, ca

The price of my Dictionary for the use of schools, 25 cents. It cannot be conveyed by mail without to great expense, except in numbers of 36 pages each; a numbers may be had for a dollar. Both books may had by wholesale or retail of E. L. Wilhams, No. 1 Front street, New York. Any editor who will publis the above, and forward a paper containing the inse

tion, shall receive two copies of the book on writing.

Jan. 12, 1827. CALEB HOPKINS.

CONTENTS OF THIS NUMBER.

On the Climate, Soil, and Agricultural prospects Press the juice from the fruit; add the proper the Floridas-On the culture of Sugar Cane, and its pr ment—Extract from the Report of the Chief Engine to the Secretary of War, for 1826—Lost Hours—Ca -Rules for betting at the St. Leger, Derby and Oaks Year-Recipes, To keep Crows from Corn Lands; Dis PETR. New method of making Jelly—Editorial.

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Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

^{*&}quot;Ahi! null' altro che pranto al mondo dura."

AGRICULTURE.

ON GENTLEMAN FARMING.

(From Lorain's Husbandry.)

Observations on the causes which have increased gentleman farming. Their expensive establishments considered.

The frequent recurrence of the yellow fever in wasted in a business, with which they were entirely unacquainted.

are seen in every direction.

effect of immense labour and fatigue.

stroy the farmer's most flattering expectations.

few years of the gentleman's life, to continual per- ly censured. plexity, unless his conduct in the country be go

person who had never been at sea, although he teach writers on agriculture, that nature is not parmight believe him intimately acquainted with the tial to any grade or society in the distribution of taat least equally hazardous for a gentleman who can far from being so stupid as too many have reprerous disposition, to encounter a farm without prac-mote their interest were properly applied to their our scaport towns, compelled multitudes of citizens tical information, unless his theoretical knowledge reasoning faculties, they would be as capable of to take refuge in the country. This created a taste be founded on principles, which are consistent with reasoning on plain, practical facts, as the learned. for rural pursuits, and induced numbers (whose his peculiar situation, and he has sufficient firmness finances did not well accord with it,) to form counnot to deviate from them. As this, however, has possession of the farm, his trouble commences,—try establishments. As it was too generally supseldom, if ever, occurred, and it is impossible to The previous habits, of a family from town, seem

for the purpose of getting rid of the troubles and cover that the floors have been formed with broad Other gentlemen, who have either by their own vexations of the world, he generally resorts to books oak or pine boards which have too many knots in industry, or from inheritance, acquired handsome for information. These clearly and very justly con-them. The chimney or fire places are too large, estates, become tired of the business or pleasures which are pursued in towns. Citizens of this descriptheir agricultural concerns, any thing like so advanare intolerable: the ceilings are too low, and the tion, generally keep carriages for the recreation of tageously as might be done; also, that much great-plastering has become scaly from frequent whitethemselves and families, and their excursions into er profit might be readily obtained, if farming was washing, and cannot be made to look well; the winthe country, are commonly pleasant relaxations properly conducted. Firmly believing in these dows are entirely too small, and small glass divided from their pursuits in town. This prepares the books, and that they have, at least, taught him the hy too much wood in the sash excludes the light; mind to be infatuated with rural economy; especial- rudiments of agriculture, he resolves; and the farm the staircases are confined, and the height of the ly as the grounds in the vicinity of our larger towns is bought without duly observing, and of course steps will fatigue the family. A single row of small have been enriched and improved with more taste without sufficiently considering, that the different glass, placed over the top of the front door, had and skill, than generally takes place elsewhere, opinions of the authors, give contradictory theories, been found sufficient to light the former farmer on Luxuriant crops, with numerous flocks and herds, consequently, he has actually to learn, from his own his way up stairs, or to enable him to find a hag or e seen in every direction.

Poets, with other writers, attribute to rural pur-whole of them may not be essentially wrong, in the man's family, bowever, cannot grope in the dark; suits, all the rational pleasures which constitute the many cases in which his prosperity may be highly and, besides this inconvenience, the large door posts chief happiness of man. In doing this, they, how interested Such information as this in the hands seem better calculated to support a gate than the ever, appear to have forgotten that these beautiful of a zealous novice, is something like a sword in front donr of a gentleman's house. scenes which they so elegantly describe, are the the hands of an enthusiastic revolutionist, who does ing from the door, in place of being marble, are not distinguish between the rational principles of li-made of free stone; the height of them is quite too The gentleman whose imagination has, in all pro-bability, been excited by recollecting some of the mended by writers on agriculture, were always acmost appropriate passages from these authors, ap-companied with a clear explanation of the benefipears also to forget, or not to know, that agriculture, cial causes brought into operation by them, the when properly pursued, under the most favourable gentleman farmer, even in the commencement of circumstances, requires very great attention, both his business, would be much better enabled to de-house, well calculated to promote the future ease and early and late; and that there are very few employ- termine their probable merit by comparing them tranquillity of a rational farmer; and it too often ments which have more crosses, losses and disap with practices recommended by other writers on happens (even when the gentleman cannot convepointments, necessarily attached to them. An epi- the same subject: especially as it may be laid down niently spare the money,) that the building is comdemic sometimes sweeps off live stock, as with the as a maxim in farming, that no practice can be pro-pletely gutted and modernized, or appropriated to besom of destruction. If this does not happen, all per if it be opposed to reason. It is therefore to animals are liable to disease or accident, and a con- this faculty, that every writer should apply his subsiderable portion of the farmer's stock is vested in ject. If this be not done, the reader has either to them. Mildew, smut, with numerous blights, also supply the defect by his previous knowledge of the excessive rains, storms, a scorching sun, drought, subject, or to remain ignorant, further than bare asuntimely nipping frosts, and insects, (which are sertion goes. If he should act on the faith of this, to suit the convenience and finances of a plain, sometimes as destructive as an invading army,) de- he may be egregiously disappointed, as the patient practical farmer, it is but a botched piece of busiwho swallows the pills, powders, or anodynes, of an ness at last; however, in either case, the money However, the gentleman seems to expect to rest ignorant quack who invents specifies to cure, and commonly expended, does not accord with any rafrom all his labours, when he commences farming, also to prevent, every disease in nature, and boldly tional estimate of the income that may be derived Every jount into the country confirms this senti-offers them to the public, (and but too frequently from the farm ment, and he returns with increased reluctance to with success.) although the causes which produce the smoke, dust, bustle and putrid effluvia of the these wonderful effects, remain a secret not only to These annoyances appear to be greatly ex- his credulous customers, but also to himself This sion house An ice house, with various other buildaggerated by his heated imagination, and every suc- is equally applicable to the plain, practical farmers, ings and conveniences, which a plain, practical farceeding excursion increases the delusive expectation who, for the most part, are greatly opposed to hooks mer seldom thinks of erecting, seem to be considerof happiness in rural pursuits; which, saying the on agriculture, for which I now believe (though I de necessary to the establishment of the gentleman least of what may happen, will certainly doom a once thought otherwise,) they have been too severe-

share of prudence. Farming, as it is now practis fit from practices which were better calculated dities, and reduced to a perfect and simple system ed on elaborate calculations founded on erroncous

distinguished farmer, before he embarks on his own palate, as well as to suit every possible occasion that account, in a business with which he is entirely un- may happen, from a wedding and christening, to a acquainted. Certainly, if he be a merchant, he death and funeral. The self-taught Kliyogg, or the would not trust the command of his ship to any Rural Socrates, with many other instances, should theory of navigation Yet1 believe it will be found lepts; consequently, that common farmers are very command a plenty of money, and possesses a gene-sented them to be. If subjects calculated to pro-

But to return. So soon as the gentleman takes posed that an addition of land for farming, would lessen the expense, this still more injurious plan was adopted by many; and unmense sums of money heretofore. When a gentleman wishes to commence farming summer: still, his family or himself too often disgreat, they extend but little on either side of the door, and, as the last step terminates at the bottom of the door, still there is no platform in front.

A consultation is held, and frequently ends in the condemnation of a convenient and very useful accommodate the hired farmer or head man and his family, and a new one is erected for the master.

If the gentleman determines on the latter, he acts wisely, as after much money has been spent in altering, even an excellent house, that has been built

But what makes the matter still worse, the alterations and amendments too seldom stop at the man-

These things, in detail, appear to be trifles; but This prejudice seems to arise from their being a very serious expense occurs before they are finishverned by much caution, and a very uncommon too often disappointed by the promises of great pro-ed, as they are commonly erected on the most approved plan, and too often expensively ornamented. ed, (especially by those who depend principally to ruin them than increase their revenue, for it The garden is seldom found sufficiently large or upon books,) is a very complex business; and if must be confessed that but too many of this stamp properly arranged. It is therefore considerably enthis science were stripped of its complicated absurbave appeared. They have either been predicated and properly laid out and regulated; the larged, and properly laid out and regulated; the walks gravelled, and a green or hot house too often of management, still, as it is only by practice that principles, or on certain rounds or courses of crops, erected, where the ornamental and useful exotics of we become intimately acquainted with the most as if the interest of agriculture was to be promoted southern climates are abundantly introduced. Besimple employments, it would seem that the gentle by the means taken by writers on cookery, who fursides the pleasure arising from seeing, displaying, man ought to serve an apprenticeship with some nish recipes to compound dishes agreeable to every and using these rare productions of nature, it is

No. 44. -vol. 8.

made.

fore his door a yard of a moderate size, well covered with grass. and daughters, with the common but interesting flowers and shrubs generally employed in the counblishment, requires no more labour than the leisure also lost. time that can be readily appropriated to it, without

out in proper form, with gravelled, serpentine walks, wilderness, &c.; also decorated with ornamental trees and flowers, which are readily obtainant the cattle shows, and also to send to market the out of the advancement of the

it, cider, brandy, &c., and the residue being carefully do, however, know that the gentleman ought to unfacturers, in the pursuit of their various occupagathered by himself and his family and taken to have considered that although his recipes may be tions, are frequently brought together, and consult the fruit is not of the most approved kind: therefore orders are sent to the best nursery men for The previous habits of his lady render it impossiby remonstrances, petitions and publications of their are the most valuable.

considered inconveniently constructed; they also see that the most trivial thing belonging to the ma- country, at a distance from each other, and rarely undergo extensive alterations, or new ones are erected on a proper plan. Marble has been used in some parts of these buildings, and much ornation and the dairy is properly done, even to associating together as one body, are seldom heard by the publick, and never enjoy the advantages of not done, or the gentleman be not more fortunate concert and union. Their interests, consequently,

up in its place.

inconveniently situated, and others are made where his extensive stock, still, he is seldom unmindful of will be greatly promoted by the distribution of they should be. As time has worn off the soil from the present time, and his carts are busily employed prizes annually, among those farmers who produce, the old roads, they are filled up with rich mould, in bringing large quantities from the city. It, how-from a given number of acres, the greatest crops of Gullies, and sometimes quarries in the fields, are ever, too seldom happens that he is acquainted with Indian corn, cotton, grass and other products of the also filled up, and the surface enriched to promote the quality of manure, and his carters find it much lower country, the growing of which it may be vegetation. Inequalities in the surface of the soil easier to load, and also to haul such as consists deemed important to encourage. Also, by giving have been levelled through the fields. Open and principally of straw. This actually reduces the va- prizes to those who rear the best horses, oxen and under drains formed where springy or boggy places appear. Stumps are hoed up by the roots. Rocks blown and removed, and the space occupied by them filled up and covered with good soil. Ditches monly costs the gentleman four or five dollars, if Not only will agricultural products and a knoware sometimes formed between the fields and the the real vame, in place of the bulk, be estimated, ledge of agricultural pursuits be greatly increased woods, to cut off the communication of the roots Although the gentleman intends to farm much better by these means, but our last named, but, perhaps, of the trees, so that the crops may not be injured than they do, this single, but serious slip in the be- most important object in entering into this associa-

by them.

The geutleman is commonly careful in the commencement of his career, to collect every imple-ful.

probable that the gentleman has been led to believe, made, but too commonly not without much trouble, we generally hear that it belongs to some gentleman from observing that the nursery men obtain very perplexity, and expense. Of this, however, he does farmer. high prices for those plants, that his gardener and not complain; being clearly convinced that the market man may readily dispose of the increase agriculture of this country is very imperfect, when talogue of the gentleman's improvements for the arising from the original stock, to considerable ad- compared with that of Great Britain, which he re- accommodation of his family, and his preparations vantage. Summer houses are also built, so as to solves to imitate in his practice. But notwithstand- for farming. I will, in the next chapter, make such adorn the premises, and secure a pleasant retreat ing his very laudable and patriotic intention, it ge- remarks on the different subjects, as I believe may from the rays of the sun; and if there be any stream nerally happens that his workmen do not know how be useful to this highly interesting, but too often very which favours the project, a fish pond is too often to handle these outlandish tools, and having a mor- mistaken class of fariners, tal hatred against every thing that is new, unless The plain, practical farmer, has commonly be- they be convinced of the utility of it, they designedly (but as if by accident,) break them against This, with the borders round the some unlucky stump, stone or gate post; being debeds in his garden, are often decorated by his wife termined not to puzzle their brains with learning the use of them, and very unfortunately the gentleman is incapable of instructing them; therefore, aftry for this purpose. These, with the adjacent ter much time and money have been spent in fruit- James' City, on the 11th day of December, 1826. fields, (if they happen to be well cultivated,) dis- less attempts to bring them into use, they are finally pursuant to notice, for the purpose of forming an play the gennine scatures of rural simplicity. The laid aside, until they are better understood. If Agricultural Society, L. Hankins, Esq., was called attention necessary to this simple but lovely esta this should never happen, the purchase money is to the chair, and William F. Pearce appointed Se-

A plenty of working horses and oxen are also purinterfering with the business that should be done chased, and of the best quality, provided the high-consideration of the meeting, by James Semple, Jr. either in the house or on the farm. As the human est price can certainly effect this purpose. It being Esq. Several alterations of an unimportant chamind craves, and, if it be possible, will have amuse-generally determined to breed from the best stock, racter were suggested by various persons, and acment, it would be difficult to devise one that would bulls, cows, rams, ewes, &c., are selected from the cepted by the mover; and the question being taken be more rational, interesting, or innovent than this. Blocks and herds of the most approved breeders, on the preamble and every clause of the constitu-But this simple system of economy too seldom The breeders soon discover the talents of the pur- tion separately, they were unanimously adopted, as accords with the views of the gentleman farmer, chaser; and the gentleman seldom fails in procuring follows: and several acres of an adjacent field are added to a yard, which is now called a lawn. This is laid bitant prices enhance the value of the animals. We, the undersigned, agree to associate together a yard, which is now called a lawn. This is laid bitant prices enhance the value of the animals. ed, when money is plenty, from the nursery men in that his books furnish him with recipes which will Although the former farmer may have had a sufficiency of fruit to supply his family with a plenty of show, I know but little, having never been there. I the head of tide water. While merchants and mamarket, made his garden and orchard profitable to excellent, and his ingenuity equal to reducing them and act as one body, making known to government trees, bushes, vines, &c., of every description, that the life, for her to stand over are the most valuable.

ble, without risking her life, for her to stand over opinions; and, in fine, derive all the advantages her shoe tops in mud or dung, or half leg deep in which necessarily flow from concerted action—the The barn and other out buildings are too often snow, until the cows are milked, and after this, to farmers and planters, spread over a vast extent of mental work employed in the construction of them. than common, every thing will be mismanaged, and lifequently happens, that notwithstanding the feucing was sufficient, with some little mending, to fore, in place of selling butter and cheese, he will and commercial interests. Although it would seem have secured the former farmer's crops for some have the mortification of depending on the plain, too obvious to admit of dispute, that the farming considerable time to come, they are subjected to an expensive repair. If there be any worm fencing, it half the year: and his cheese, if any should happen rests of the whole people, we propose to ourselves, is generally condemned, and post and railing put to be made, will never be fit to appear at his table. then, in the first place, the benefits of association

Although the gentleman expects much future im- and concert as farmers. The roads through the farm are often considered provement from the manure which will be made by

Having gone through the long and expensive ca-

(To be continued.)

AGRICULTURAL SOCIETY OF LOWER VIRGINIA.

(From the Richmond Enquirer.)

At a meeting of farmers, in the court house of cretary,

A preamble and constitution were offered for the

In the second place, we consider that agriculture

ginning, seems to place him so far in the back tion, may also, it is hoped, be attained to a great ground as to render the contest at least very doubt-degree. Below the head of tide water, tide, canal, and wind mills, we may safely assert, may be made ment of husbandry; and too often adds others that If, in riding the roads near to one of our cities, to effect all our purposes of sawing, grinding and are highly recommended by hooks, which also fur we happen to meet a cart filled with long strawy manufacturing generally. Our numerous ponds of nish engravings of them, from which he gets them dung, and ask the driver for whom he is hauling it, stagnant fresh water then, may be dispensed with,

the beds of the old ponds may be converted into to be discharged. onru fields and meadows, yielding, from their ferourn fields and meadows, yielding, from their fer to. Any proposition having in view an altera-tility and maisture, immense crops. Besides, our tion or amendment of the constitution, shall be part of my old sheep, which I think was mostly country is intersected by numerous swamps, and we read at one meeting, and laid over to the next, owing to their being constantly exposed to the cold have extensive marshes and sunken grounds-all of when it shall be rejected, unless a majority of all rains and snow: for they were well fed. I then which, as well as the mill ponds, are fruitful sources the members of the society concur in accepting it, built sheds to shelter them in had storms, but did of ill health to the inhabitants of the adjacent. On the motion of Dr. Waller, it was resolved, not take my bucks from my ewes. The lambs country, (forming by far the larger portion of lower that the election of officers for the society be defer- came in February, and the greater part died; and Virginia.) at the same time that they are entirely red to the next regular meeting. useless, although they would prove an immense drained. These lands are by far the most fertile in Semple, Dr Robert P. Waller, James Semple, Jr. our country, and the only grass lands we have. The William B. Taylor, and Allen Marston, were electawarding prizes to those, who should raise the ed greatest quantity of hay, or of Indian corn, from a given number of acres of unimproved ground, would that the proceedings of the meeting be published drive all competitors to this description of lands, in the Richmond Enquirer, and that two hundred The draining of them, even if confined at first to a copies of the preamble and constitution be printfew of the most enterprising agriculturists, would ed. and that the Committee of Correspondence reyet in the end be productive of wonderful effects, ceive subscriptions thereto, by agents or in person, ing plenty of milk, and the cold storms mostly it would act in a geometrical ratio on further reclains all the counties in Virginia below the head of over. I never let my ewes have the buck until they mations, and, of course, in the same proportion on tide water. their agricultural products, and the healthiness of the country. It would not only spread information, meeting. and furnish the light of example to neighbours owning land of the same character, but the greater the WM. F. PEARCE, Sec'ry. portion of any body of land that is drained, the more easily is the remaining quantity reclaimed. The operation would be observed, by those most interested in observing closely, and of course most apt to derive information from it; and when they should attempt to apply the knowledge thus gained to their (From the Memoirs of the Board of Agriculture of the own contiguous lands, they would find the task much easier than anticipated, from the circumstance above alluded to. We conceive, therefore, that we prizes will go far to effect our last and most imporenterprise among the citizens, from being the garden spot of Virginia. Any thing, then, which will lows: oncourage a spirit of enterprise and render the country more healthy, must be considered a great soil: if sandy, I leave the surface smooth, in order and lasting benefit to us and our posterity.

For the present we adopt the following consti-

tution:

1. Our society shall be called the Agricultural Society of lower Virginia

2. Williamsburg shall be the place at which the

meetings of the society shall be held.

after given them.

and nine votes shall constitute a quorum.

moved.

6. There shall be a standing Committee of Coras the society may determine.

7. The elections shall be held at the regular meet es shall be fixed, and the necessary arrangements made for awarding them.

8. The President, or in case of his absence or inability, the Vice President, may call a meeting culation.

The society then proceeded to the appointment source of wealth to the owners, if cleared and of a Committee of Correspondence-and Judge

On motion of James Semple, Jr. Esq., resolved.

The society then adjourned to the next regular

ARCHER HANKINS, Chairman.

ON THE MANAGEMENT OF SHEEP, &c.

By Benjamin Sutton, of Seneca.

State of New York.)

To JESSE BUEL, Esq.,

may confidently expect, that the awarding of such to me, requesting me to communicate to the Board urgent wants of man. I beg leave to remark, that of Agriculture for the State of New York, what their real value seems not to be well understood by tant object in view. Our country is prevented, only little information I possess, as a farmer, I know of our legislature, or they would lend a fostering hand by the unhealthness of the region and the want of no better way than to give a short arcount of my to so valuable an animal. The United States can operations for several years past; which are as fol-

In tilling the earth, I consult the nature of the to retain the muisture as long as possible; if the soil is heavy, I lay it in ridges, so as to carry the water off as soon as possible. The ridges are made by

without serious inconvenience to the people, and Corresponding Committee in writing, of their wish February, and mostly all died; and those that survived were poor little nurly things, and mostly all died the next winter. I also lost about one-fifth the remainder were poor, scrawny things. I then found, for the first time, that the ewes had but little milk, which was owing to their being fed on dry food The next year, I put my bucks with my ewes, the twentieth October: had better luck. The next year, I put my bucks tenth November: had still hetter luck. The next year, put my bucks the first December; and from one hundred and fifty-six ewes, raised one hundred and fifty four lambs; which great success was chiefly owing to the season of the year the lambs came in; the cwes then having plenty of milk, and the cold storms mostly are upwards of one year old; my reason for so doing is, they lose two fore teeth when they are one year old, and cannot gather grass enough to support themselves and lamb, and are both spoiled. My sheep sheds, before mentioned, have large spaces left open at the sides, about four feet from the ground, which lets the air circulate freely above their backs, and carries off the stench. Lalso have racks with bottoms to them, in order to keep them from running over their feed, or getting their wool full of hay seed, which is injurious.

When properly managed, sheep are the most profitable animals raised upon our farms; as they sup-Dear Sir, - Having received a circular, addressed ply, in their fleece, carcass and tallow, the most never be an independent nation, until we manufac

ture our own cotton and woollen cloths.

GOVERNOR LINCOLN'S FARM.

(From the New England Farmer.)

We, not long since, took a morning's ramble over throwing eight forrows together, and cleaning out the farm of his excellency Governor Lincoln, adthe middle furrows between the lands, which always joining his seat in Worcester; and were much graought to lay so as to take the water off. I followed lifted, as well as instructed by our excursion. We ectings of the society shall be held.

3. Annual meetings shall be held on the second farm fast decaying under the plough, and knowing that important fact, viz. that the best soil in Massa-Monday in March, and at such other times as the that no farm will keep itself in heart without barn chusetts consists, or may consist, of reclaimed upsociety may adjourn to, or the President or Vice yard manure, I turned my attention to the raising land marshes; and that the agricultural resources President may appoint, under the authority herein- of horses and cattle, with very good success; but I of New England will never be in the highest pracnever suffered my young stock to stand crooked tieable degree developed till her unproductive, un4. The members may vote in person or by proxy, with hunger or cold, in their first year's growth; for sightly, and unwholesome swamps are brought unnd nine votes shall constitute a quorum.

If they are allowed so to do, they will grow crooked der cultivation. The droughts of our soil and clibe officers shall be a President, Vice President, as well as a twig when bent. I think that if farmers mate, according to maxims of philosophy, and the dent. Clerk, Treasurer, and Steward, who shall in general would feed to two, as much as they do records of experience, will be, on an average of hold their offices twelve months, and in case of to three, their nett profits would be much greater, seasons, more and more severe, as the country is absence or inability (to be judged of by the so. After these several experiments, my land being cleared of trees, and laid open to the unobstructed oiety,) of any officer, his absence shall be supplied mostly of a heavy nature, I found that stock travel influence of the sun's rays. Dr Deane observed on by election, until he attends, or his disability is re- ling over the fields, packed the land so hard that it, this subject, "it is in the power of the farmer, in a must be ploughed often, or it would bear no grass; good measure, to guard against the ill effects of and as my good fortune would have it, I had twen-drought. It is a matter that certainly ought to be respondence, to consist of five members, any three ty calves and sixty sheep feeding at my barn; and I attended to in this country, in which almost half of whom may act, to be appointed in such manner always found that the twenty calves eat more hay our summers are complained of by many, as being than my sixty sheep; and I found by observation very dry. The best method is, to have more of our that my sheep trod so light, that they did not poach lowest lands under the best improvement in tillage, ings in March, at which, also, the subjects for priz the land into mud, and leave it so hard that nothing If this were the case, we should not so often hear could grow on it, until it was pulverized by the of a scarcity by drought. If it were become cusfrost, or ploughed again. And as the raising of tomary to plant and sow on drained lands, and in sheep is so little understood in the United States, I those which are so low and wet as to need laying in shall give my experience nearly at full length on ridges, possibly our dry summers would be as fruitby advertisement, in some paper of extensive cir-that head. In 1814, I sold my horses and cattle off ful, on the whole as our wet ones. But, as we maand commenced raising Merino sheep, and had all nage our lands at present, the case is far otherwise. 9. The members shall each pay every year two the disadvantage of inexperience to encounter - A great number of people are always reduced to a dollars and fifty cents, and all who join the society which proved almost fatal. I wintered my sheep distressed condition by a dry summer. And they shall be considered members, until they apprize the in the open air, without sheds; my lambs came in are too ready to consider the shortness of their

crops, in a dry year, as a divine judgment, though

other receptacle for farm produce, was, however, every sort and quality then known, and of various ry. By a vote of the meeting, the reading of the already full to overflowing. Even the floors of the whimsical shapes. For instance, glass animals, or first part of the repurt of the committee was disbarns were crowded with hay and corn stalks. The latter were of a lively green, having been collected the glasses for wine, are numerous as quaint in tary then proceeded to read the plan recommended as soon as cut, and dried under cover. It would form, and as capacious as the bear of Bradwardine. by the committee, which is in these words:—
seem that the drought had passed lightly over his There is also a complete table service of china. That a company shall be incorporated, to be stylseem that the drought had passed lightly over his on most of the farms in New England. This was which is served up within, as turkey, peacock, wild ny; and for the purpose of constructing a Caual owing to the nature of the soil. In a farm of more fowl, boar's head, artichokes, asparagus, cabbages. from the eastern termination of the Pennsylvania owing to the nature of the soil. In a farm of more than three hundred acres, somewhat more than one than three hundred acres, somewhat more than one hundred, while in its natural state, was, we believe, the rough green savey, are done so inimitably, that river, and from said Canal to the city of Baltimore, a rugged, barren morass. But, drained and subdued by skill, industry, energy and perseverance, it had become remarkably fertile. The crops on this portion of the farm were rather benefitted than inportion of the farm were rather benefitted than indicate the same and to the farm were rather benefitted than indicate the same and to the farm were rather benefitted than indicate the same and to the farm were rather benefitted than indicate the same and to the farm were rather benefitted than indicate the same and to the farm were rather benefitted than indicate the same and to the farm were rather benefitted than indicate the same and to the farm were rather benefitted than indicate the same and to the farm were rather benefitted than indicate the same and to the farm were rather benefitted than indicate the same and to the farm were rather benefitted than indicate the same and to the farm were rather benefitted than indicate the same and to the farm were rather benefitted than indicate the same and to the farm were rather benefitted than indicate the same and to the farm were rather benefitted than indicate the same and to the farm were rather benefitted than indicate the same and the jured by dry weather: and probably those on the sections during a Ramble through Germany. bigher and drier portions received advantage from the manure obtained from the ditches, knolls, &c. of the lower part. At any rate the crops were excellent, and mostly produced from a tract, which, but a few years since, was fit for nothing but a habi- IMPROVEMENT OF THE INTERNAL RE- an equal number of Commissioners on the part of tation for frogs and water snakes.

We think it a fortunate circumstance, that Gov. Lincoln, and others, whose character and intelli gence place them in the first rank in society, should take and deserve the lead in that pursuit which is of the highest importance to the community, and gives beneficial and indispensable employment to

the greatest number of its members.

THE COLOUR OF CATTLE.

A writer in the New England Farmer, under the signature of Agricola, attributes much importance to the colour of cattle. "Having been for some years a considerable traveller in New England 1 have noticed that the best farmers always have the best cattle. Where you find, as in Worcester county, large barns, strong walls, square lots, great crops of rowen, huge wood piles, fat horses, well painted houses, and all the ordinary indications of plenty and independence, you invariably find red or brown oxen and cows. Selection from his calves for three or four years, of red, brown, or brindle, by any farmer, will snon teach him the value of the expe dient: a bright red is to be preferred; but the next to this, the brown, and then the mixture of both, (the brindle,) which is an excellent hardy colour for working oxen No purchaser of oxen or cows overlooks the article of colour."

RURAL ECONOMY.

BORING FOR WATER.

Messrs, F. & T. Pollock have succeeded in boring for water at their distillery in this place. Having commenced upon a rock, they proceeded to the depth of one hundred and twenty feet from the surface. The water riscs and flows at the rate of one and a half gallons per minute. The supply being sufficient, the process was suspended. boring was done by Samuel Orr, of this horough. [Miltonian. (Milton, Pa.)

GERMAN KITCHEN.

gredients of gout giving condiments.

they might have prevented it by a more prudent ments, the various materials for all high seasoned order that it might proceed to the consideration of and savoury dishes are duly displayed, to assist the the report and project of the committee, as already We visited Governor Lincoln's farm the 12th of October, and of course before the crops of the latter harvest had been gathered. Every barn, and and cupboards here, you find glass and china of chair, and William Frick, E-q. appointed Secretaexcellency's land, although it laid a withering hand ware, the cover of each dish representing that ed The Pennsylvania and Maryland Canal Compa-Two of these last, the large white headed sort, and State Canal to the head of tide in the Susquehanna

IMPERNAL IMPROVESIENT.

ARMA COMMISSIONALLA KANTANI SERVICI PARA LEGISTONI LEGISTONI LEGISTONI DE COMPANIONAL PROPERTORIA DE COMPANIONA DE COMPAN

SOURCES OF MARYLAND.

Though few states in the Union enjoy such eminent natural advantages as Maryland, as respects climate, position, and the means of transportation. to market by navigable waters that flow by almost every one's door; yet no state is in the way of gaining more by public artificial works, to conduct into her lap the products of other states. Her local divisions, however, with other causes, have hitherto had a most inauspicious effect, in preventing a concentration of opinion and of resources upon any practicable work. Projects were multiplying, and the sentiments of the people, even in this city, were becoming more various, until the danger had become apparent, that those who ought to enlighten the publick mind; and those who must supply the means, would be formed into controversial parties, and become so far committed in support of their particular plans, that nothing could be done. In this state of things, our zealous and indefatigable Mayor was requested by the people to appoint two citizens of sound judgment from each ward, to take the whole subject into view, and to endeavour to present some practicable plan for securing to our city and state all the benefits to be procured by an improvement of the advantages which Providence has placed within her reach. That committee, with an alacrity which does them credit and shows that they were fully sensible of the importance of the present crisis to the future destinies of Baltimore, took the work in hand without fear or delay, and presented a report for the consideration of the citizens. The proceedings of the meeting and the plan proposed by the committee, will be found in the following sketch, which we take from the Ame-

The meeting at the Exchange yesterday, to consider the Susquehanna Canal project which had been recommended by the committee of twenty-four,

Near it hangs a painted board, where in compart- the appointment of a chairman and secretary, in

of tide; and the second to be called the Southern section, and to begin in connection with said Northern section, and to terminate at or within the city of Baltimore.—That in the acts incorporating said company, provision be made for the appointment of each of the states of Pennsylvama and Maryland, not less than five on the part of each state, who shall be empowered to locate the route of said Canal to tide, and also to take subscriptions of stock in said company in their respective states. That in said acts provision be also made for surveys under the direction of said Commissioners, of all the practicable routes for said Northern section, but that in the location of said section, the said Commissioners shall by said acts be restricted to some route for the same which will admit of the possible cunstruction of a Canal to Baltimore in connection with said Northern section, and that as between several routes for said Northern section, all admitting of the possible construction of such a Canal in connection, they shall also be restricted by said acts of that route which will present the greatest facilities in the descent to tide, and along which said Canal can be conducted at the least expense. That the Northern section shall be commenced at within two, and completed within five years after the passage of said act, otherwise the said act shall be null and void. And that the said Northern section shall be completed by the Company before the Southern section is commenced. That the Southern section shall be commenced within one year after the completion of the Northern, and shall be completed within four years thereafter, or otherwise the state may make such Southern section herself, or may grant the privilege of making the same to any other Company. That the capital stock of said Company shall be \$2,500,000, and that so soon as \$890,000 of such sum shall have been subscribed, the said Company shall be incorporated, and shall be invested with all the powers necessary to the construction of said Canal. That the state of Maryland be requested to subscribe \$500,000 of the stock of said Company, upon the condition that the aggregate of the sum subscribed by others and said sum of \$500,000 be equal to the estimate of the cost of said Northern section, as made by the Engineer or Engineers lowas large and respectable, and its proceedings char- eating the same under the direction of the Commisacterized by a unanimity of sentiment which augurs sioners; and that the Governor of the state, to whom most favourably for their accomplishment of the proof is made of the subscription of the residue of scheme of internal improvement which will impart such sum by other persons, and to whom such estinew life and vigour to the energies, the commerce, mates are certified by the Engineer or Engineers A German kitchen is the true cabinet of curiosi- and the manufactures of Baltimore. Between ten thus making such estimate, shall thereupon direct ties; all things in it are in a character so fanciful and eleven, the Mayor rose and addressed the meet the treasurer of the Western Shore to subscribe The cook's idol, or dumb assistant, ing in a concise and distinct manner upon the occa- said sam of \$500,000. That the state of Pennsylis represented by a wooden tigure, a bloated, fat, sion for which it had been convened-stating the vania be requested to subscribe \$500,000 in order squad of a gourmand; his paunch conceals nume-origin of the appointment of the committee and the rous small drawers for holding spices and other in-gredients of gout-giving condiments.

To the construction of the Northern section of the duty which had been delegated to them. He then gredients of gout-giving condiments. construction of said section, and that no part of the \$500,000 to said Company.

The question was then stated upon the adoption creases in proportion. of the report and recommendations, and carried

unanimously.

The Secretary then proceeded to the reading of the resolutions appended to the report of the comeach resolution separately, they were also unani-mously adopted. They are in these words:—

Resolved, That the Mayor be, and he is hereby requested, to lay a copy of the report of this committee before the City Council, in order to their co operation in carrying its recommendation into effect.

Resolved further, That the Mayor and City Council be and they are hereby requested to appoint a committee, whose duty it shall be to prepare a law to carry into effect the above recommendations, and

to submit the same to the legislature of Maryland.
Resolved further, That the Mayor and City Council be, and they are hereby also requested, to appoint a committee, whose duty it shall be, when any such law has been passed by the legislature of Maryland, to repair to Harrisburg and to solicit the assent of subscription requested on the part of said statethe appointment of Commissioners on her part to take the stock of said Company and locate said Canal-and, in general, the adoption of all such nieasures as may be necessary to carry such law into effect.

A vote of thanks to the committee, for the able manner in which they had discharged the duty confided to them, was also passed, when the meeting adjourned.

Since the foregoing was prepared, we have received the official account of the proceedings, as follows:

PUBLIC MEETING.

Baltimore City Exchange.

In pursuance of the invitation of the Mayor of the city, the citizens assembled this day, the 11th of January, 1827, at 10 o'clock, in order to take into consideration the report and resolutions of the committee appointed by resolution of the meeting of the citizens on the 22d December last, JACOB SMALL, Esq. Mayor, was called to the chair, and WILLIAM FRICK appointed Secretary-When the said report and resolutions were submitted to the meeting, and were unanimously adopted.

It was thereupon moved, and carried unanimous, that the thanks of the meeting be presented to

No. 4.—Statement of articles which passed down the Schuylkill Navigation, in 1826. ly, that the thanks of the meeting be presented to the committee for the able and satisfactory report presented by them. And the meeting then adjourned.

JACOB SMALL, Chairman.

W. FRICK, Secretary.

SCHUYLKILL NAVIGATION COMPANY.

[From the last annual report of the President and Managers of the Schuylkill Navigation Company, we make the following extracts]

The President and Managers of the Schuylkill Navigation Company, in presenting to the stockholders their annual report, have much satisfaction in being able to exhibit a very rapid increase in the usefulness and productiveness of a work which has been sustained by the stockholders through every vicissitude, until the period has arrived which holds out every prospect of a speedy remuneration for the advance of their capital.

It will be seen by the statements accompanying same or the proceeds thereof be applied to the con- this report, that the increase of the tolls, during the struction of the Southern section without her express past year, has nearly trebled those of the preceding, assent; and that the tolls arising from said North- and there can be no reason to doubt of a very great ern section be a pledged fund for the payment to progressive advance. After the completion of a her of such a portion of the nett profits arising from work, such as that of the Schuylkill Navigation, said section as her said subscription may be of the time is required for trade to leave its accustomed whole cost of said section. That the Corporation channels, and to direct itself into new ones; as the of the city of Baltimore be requested to subscribe superior advantage of the new one, however, becomes every day more apparent, the resort to it in-

In the last annual report, the trade of the Susquehanna was alluded to as likely to find its way to market by the route of the Schuylkill Navigation; experience has tested the correctness of this assermittee, and the question having been stated upon tion; and as increased tacilities to this trade have been created during the past year, by the erection of new warehouses at Mount Carbon, and by men of large capital embarking in the business, a more extensive and constant increase to this trade may be looked for.

> The great increase, too, in the consumption of anthracite coal, for domestic as well as manufacturing purposes, offers a fair prospect of trade in that article, the demand for which will probably ally be limited by the means of supply.

back by the channel it descended.

No. 3.—Statement of articles which passed up the Schuylkill Navigation, in 1826.

Store goods, tons, g	,670
Iron and cast iron,	198
Plaster of Paris,	908
Lumber,	776
Empty flour casks, kegs and hhds.	18
Litherage,	11
Sand,	72
Household furniture,	3 9
Melons and other vegetables,	22
Bricks,	108
Oysters and sea fish,	29
Marhle,	10
Machinery,	7
	,478
986 logs	500
-	
Total, 6	,843

Coal, tons,	16,767
Floor, 21,245 barrels, .	2,023
Grain and seed,	724
Live hogs,	8
Whiskey,	420
Iron ore,	2511
Butter and lard,	41
Marble and stone,	1,207
Potash,	8
Nuts,	3
Tallow,	6
Iron,	122
Wood and bark,	5.1
Lumber,	1,492
Potatoes,	16
Fruit,	1
Storo goods,	128
Total,	25,561

RAIL ROADS.

Extract of a letter from a gentleman of this city, now in Europe, to his friend, dated Edinburgh. Nov. 1, 1826.

"On the subject of Rail Roads, I find the opinion obtains that they will do where water is not attainable, and then only for short distances; or where, as between Liverpool and Manchester, the transit of goods is so immense, as to exceed the powers of a canal, and that too on a dead level. In conversing with one of the most intelligent gentlemen of Birmingham, connected with from works, he said that nothing but the absolute madness which prevailed last year, could have got up the Rail Road 'limbbles,' which have so generally exploded, not for want of money, but from the absolute certainty that they could not do any good." [Pouison's Adv.

LADIES' DEPARTMENT.

ON FEMALE EDUCATION.

Extract to the Editor, dated Columbia, S. C., Dec. 23, 1826.

Is it not strange that the subject of female educa-The increase in the return trade has exceeded tion should yet, and in this country, be argued as that of the descending navigation, and forms a it if were not agreed upon on all sides? I really source of revenue not much calculated upon at an cannot see what addition is wanted to the education earlier stage of our work; it promises, however, to temales receive generally in this country. Girls he of great importance; for as the population of the are as well educated as boys. They all equally go country bordering on the navigation increases, their to school, and if the former do not learn Latin, the legislature of Pennsylvania to such law and the demand of supplies roust also increase; and as much Greek and the mathematics, they are generally as of the trade which has heretofore descended the well acquainted with the grammar and orthography Susquehanna will find its way here, the proceeds, of their own language as the boys. It is true many instead of being laid out in our neighbouring cities, of them are made to lose a great deal of precious will be lant out in Philadelphia, and find the way time in learning to thrum on the piano for several years, which high accomplishment they most generally give up when they have left school, or at least as soon as they are married. It is the arme of folly to oblige a girl who has no taste for music, thus to waste her time. If I am to judge from the advertisements of our female schools in this place, and we have three very good, I may say excellent ones, there is no ground of complaint; unless it should be thought necessary that they learn the higher branches of mathematics, gunnery, fortifications, military tactics, law and politics, &c. &c.! If they learn tolerably well what the masters profess to teach them, they will do, as they actually do, very well.

MISS LIVERMORE.

Our readers may have observed in our columns recently, notices of Miss Livermore's intention to meach at the capitol and elsewhere. Our engagements have not allowed us to attend her preaching, had we wished to do so. Those who have heard her, speak highly of her natural gifts, and some are even encoptured by her eloquence. Among the latter is the esteemed lady who is the author of the following letter, of which we have been allowed to take a copy for publication. It is addressed to the daughter of the writer, who resides in a distant part of the country. Nat. Int.

"Washington, Jan. 9, 1827.

My Beloved Child-I witnessed a scene yesterday, so novel and impressive, that I cannot forbear attempting a description of it. I say attempting, for the senabilities were more strongly affected than the senses, consequently a just defineation is very difficult. It had been removed for some weeks, that a woman of considerable pretensions had solicited in vain for peranssion to preach in the Representatives Hall at the capitol. So you see, after all the professions of veneration for our sex, made by mankind, when tested by their acts, they say, "What good thing can come out of Nazareth?"

Thanks to the Christian Pastors of Georgetown; they invited her to their churches, from whence the fame of her eloquence spread through the city—cu ing on one occasion, staid—not away, but too long rinsity prevailed over illiberal prejudice, and she with his fair one, exclaimed at parting was invited to preach at the capitol. We attended at an early hour, and found the hall, lobby, and gallery so completely filled that it was almost impossible to get admission; and I am told the avenue

itself was full of persons excluded.

When I looked round and saw the numerous audience, greater than I had ever seen on any former (From late foreign journals received at the office of the National Gazette.) occasion, I trembled for the yet unseen female who was to address them. At length she appeared, attended by a friend. Her figure is good, her height somewhat above mediocrity, her face pale, perhaps some would say plain, but pleasing, and indicative of great screnity and goodness. They were both dressed in a style so simple and neat, you would have taken them for Quakers. She ascended the Speaker's chair, and her friend seated herself by her. She commenced, in the usual manner, by prayer and singing. She then read the 112th psalm in a voice somewhat hurried and tremulous, and selected her text from 2d Samuel, 23d chap, part of the 3d and all of the 4th verses-"He that ruleth over men must be just, roling in the fear of God. And he shall be as the light of the morning, when the sun riseth, even a morning without clouds; as the tender grass springing out of the earth by clear shining after rain."

The President and many members of Congress were present. From her text, you will readily perceive her address was intended principally for the rulers of the nation. But she embraced the whole multitude-the rulers of schools-the rulers of families-and, as individuals, the rulers of our pas

sions.

Her language was correct, persuasive, and, judging by my own feelings, the profound attention and sympathy of the audience, extremely cloquent. Many wept even to sobbing. C. first yielded to the general impression, and even I, although unused to the melting mood, I, who thought my heart was seared by affliction, and my eyes dried by weeping, found that heart relenting, and those eyes dissolving in a trickling thaw.

Judging, as I said, by my own feelings, and I have no other test, I should say she is the most eloquent preacher I have listened to since the days of

Mr. Waddell.

But no language can do justice to the pathos of her singing For when she closed by singing a hymn, that might with propriety be termed a prayer, in which she asks the divine perfections of each sacred character recorded in scripture her voice was so includious, and her face beamed with such heavenly goodness, as to resemble a transfiguration, and you were compelled to accord them all to her. I could have listened from morn till noon, and from noon till dewy eve of a summer's day. It savoured more of inspiration than any thing I ever witnessed; and to enjoy the frame of mind which I think she does, I would relinquish the world. Call this rhapsody if you will: but would to God that you had heard her! I think you would have felt as I did, and I may add, as I now do.

ANECDOTE.

When Dr Sheridan called one morning on Miss M. Fadan, to take his leave of her for a few days; the young lady asked, in a tone that well expressed more than the words which accompanied it. how long he intended to stay away? To which he immediately replied-

You ask how long I'll stay from thee: Suppress those rising fears: If you should reckon time like me, Perhaps ten thousand years.

This reminds us of an elegant and complimentary tetrastic attributed to the Doctor's illustrious poetical namesake, the late R. B. Sheridan, who hav-

Too long I've staid-forgive the crime, Like moments flew the hours; How lightly falls the foot of time, Whene'er he treads on flowers.

FAITHLESS NELLY GRAY,

A PATHETIC BALLAD.

Ben Battle was a soldier bold, And used to war's alarms; But a cannon ball took off his legs, So he laid down his arms!

Now as they bore him off the field, Said he. "let others shoot, For here I leave my second leg, And the 'Forty second Foot!'"

The army-surgeons made him limbs; Said he, "They're only pegs; But there's as wooden members quite As represent my legs!"

Now Ben he loved a pretty maid, Her name was Nelly Gray; So he went to pay her his devoirs, When he'd devour'd his pay!

But when he call'd on Nelly Gray, She made him quite a scoff; And when she saw his wooden legs, Began to take them off!

"O Nelly Gray! O Nelly Gray! Is this your love so warm? The love that loves a scarlet coat Should be more uniform!"

Said she, "I loved a soldier once, For he was blithe and brave; But I will never have a man With both legs in the grave!

Before you had those timber toes, Your love I did allow; But then, you know, you stand upon Another footing now!"

"O Nelly Gray! O Nelly Gray! For all your jeering speeches, At duty's call I left my legs In Badajos's breaches!"

"Why then," said she, "you've lost the feet Of legs in war's alarms, And now you cannot wear your shoes Upon your feats of arms!"

"O false and fickle Nelly Gray! I know why you refuse; Though I've no feet, some other man Is standing in my shoes!

I wish I ne'er had seen your face; But now a long farewell! For you will be my death-alas! You will not be my Nell!"

Now when be went from Nelly Gray, His heart so heavy got, And life was such a burthen grown It made him take a knot!

So round his melancholy neck, A rope he did entwine, And, for his second time in life, Enlisted in the Line!

One end he tied around a beam, And then removed his pegs-And, as his legs were off, of course He soon was off his legs!

And there he hung till he was dead, As any nail in town; For though distress had cut him up, It could not cut him down!

A dozen men sat on his corpse, To find out why he died; And they buried Ben in four cross-roads, With a stake in his inside!

MISCELLANEOUS.

WOOLLEN MANUFACTURES.

In the House of Representatives, Mr. Mallary, from the Committee on Manufactures, to which had been referred petitions from various parts of the United States, upon the subject of woollen manufactures, reported the following bill:

"A Bill for the alteration of the Acts imposing duties on imports.

"Sect. 1. Be it enacted by the Senate and House of Representatives of the United States of America. in Congress assembled, That, from and after the first day of August, one thousand eight hundred and twenty-seven, in lieu of the duties now imposed by law on the manufactured articles hereafter mentioned, imported into the United States, there shall be charged and paid the duties chargeable thereon, in the following manner:

"First. All manufactures of wool, or of which wool is a component part, except worsted stuff goods and blankets, whose actual value at the place whence imported shall not exceed forty cents per square yard, shall be dremed and taken to have cost forty cents the square yard, and be charged

with the present duty accordingly.

"Second. All manufactures of wool, or of which wool shall be a component part, except worsted stuff goods and blankets, whose actual value at the place whence imported shall exceed forty cents the square yard, and shall not exceed two dollars and fifty cents the square yard, shall be taken and deemed to have cost three dollars the square yard, and charged with the present duty accordingly

"Third. All manufactures of wool, or of which wool is a component part, worsted stuff goods and blankets excepted, whose actual value at the place whence imported shall exceed two dollars and fifty cents the square yard, and shall not exceed four dollars the square yard, shall be taken and decimed to have cost four dollars the square yard, and charged with the present duty accordingly.

"Sect. 2. And be it further enacted. That all unmanufactured wool, now chargeable with a duty of thirty per eent ad valorem, shall, from and after the first day of June, eighteen hundred and twentyeight, be charged with a duty of thirty five per cent, ad valorem, and from and after the first day of June, eighteen hundred and twenty-nine, be charged with a duty of forty per cent. ad valorem, And all wool unmanufactured, whose actual value at the place where imported, shall exceed ten cents per pound, and not exceed forty cents per pound, shall be deemed and taken to have cost forty cents per pound, and be charged with the duty as in this section is before provided.

"Sect. 3. And he it further enacted, That all imported wool on the skin, shall be chargeable with a duty of thirty per cent. ad valorem, including the value of the skin, until the first day of August, eighteen hundred and twenty-seven, when a duty of thirty-five per cent ad valorem, shall be charged and paid until the first day of August, eighteen hundred and twenty-eight; after which there shall be charged and paid on the same a duty of forty per

cent. ad valorem "

The bill was twice read, and committed to the Committee of the Whole on the state of the Union.

TARIFF-CUSTOM HOUSE CHARGES.

Having conversed with many gentlemen on the subject of the Tariff, I am led to believe that few people are at all acquainted with the mode of ralculating the duties at our Custom houses; and for such I hand you the particulars of an invoice of broadcloths, with the duty and charges of importa-As the example given below is a real invoice, or bill of parcels, with the export charges, which has passed the Custom House, the estimates may be implicitly relied upon. It will be observed, that in the subjoined example, the commission for buying is two and a half per cent., and that on the nett

amount; whereas, in many cases, live per cent is charged, which would necessarily increase the
amount of the duty:
2 pieces, 41 yds. blue cloth, 10s - 201 10 0
2 45 do. do. 20s - 45 00 0
2 " 40 black do. 15s - 30 00 0
1 " 18 grey do. 5s 4 10 0
100 00 0
CHARGES.
Case, papering and pressing, 11 5 6
Carriage to Liverpool 10 3
Storage, cartage, town dues, &c. 4 6
Insurance 1 t per cent and policy
daty 2s 6d, 1 7 6
Commission for effecting insurance 10 0
Commission for buying, 2½ per ct. 2 10 0
679
1061 7 9
Or, \$472 83
Deduct Insurance on which duty is not charged. 4 56
charged, 4 56
\$468 27
Add 10 per cent., which is added to every
invoice, and the duty is then estimated, 46 82
\$515 09

From the foregoing, it is perceived that the duty on 100l sterling paid to the English manufacturer, or \$444.44, for an invoice of cloths, is \$17169, or generally supposed.

Again, let us take the amount paid in England-Prime cost and charges, say

On which add 4 per cent. for freight, loss of time, &c. in getting the goods to mar-

Duty 334 per cent.,

The average preminm on exchange between this and England, since the late tariff went into operation, is at least S per cent.; or

529 56 To which, if the duty be added, of 17 | 69

The product will be \$701 25

From which it appears, if all the unavoidable charges on an importation be added to the first cost, it is not less than 65 per cent., and that is the real advantage which the American manufacturer of woollen goods has over the English. And yet, our manufacturers are discontented and clamorous for an increase of duties.

VERITAS.

Richmond, Dec. 22, 1826.

ENGLISH SHIPPING LOST IN TEN YEARS.

and got off, captured and recaptured, from the year 1789 to 1500.

Years.		Lost.		On shor	e.	Got off.
1789		163		6 t		7
1790		167		47		11
1791		213		82		8
1792		195		59		11
1793		201		38		5
1794		246		64		-1
1795		222		42		0
1796		18 t		44		1
1797		193		59		6
1798		165		6 t		6
1799	,	210		46		3
1800		229		49		6
		-				
		2385		652		70
		652 o	n sho	re.		

3037 70 got off.

2967 lost by perils of the sea.

		- J	
Years.	Captured.		Recaptured.
1793	857		62
1794	701		86
1795	646		56
1796	53-t		67
1797	751		135
1798	447		91
1799	45 t		86
1800	457		122
	4344		705
	705 rec	ap	tureil.

3639 total lost by capture. 2967 total lost by perils of the

sea as above. 6606 grand total of ships lost in 10 years.

Such is the result furnished by the entries at Lloyd's; but there is no doubt that many ships belonging to the British empire have been lost and \$171 69 captured, which have not been reported to Lloyd's.

PIGEONS.

By the French law, the lord had a right to the 38 per cent. on the invoice cost, in place of 333, as young pigeons of his vassal, except in the March from the Elkton Press, republished in this paper, inflight. Hartib supposes that there were, in his time, in England, 26,000 dove houses, and allowing 500 \$472 83 pair to each house, and four bushels to be consum-sportsman, and his description of duck shooting ed yearly by each pair, it makes the loss of corn in will be read with a good relish by his brother craft, a year, 13,000.000 bushels. In Persia, the pigeons He is, however, mistaken, in supposing this method 18 91 are trained to kill the wild ones, of which amuse of shooting to be peculiar to Maryland. We have ment they are so fond, that a Christian is not per- practised it in boyhood on the bays of Massachusetts, mitted to keep any; and Tavernier, who mentions and it has been in use among the gunners of that 37 82 hometans, merely to be entitled to this privilege.

SPORTING OLIO.

MARSK.

The brown horse MARSK, foaled in 1750, and so named from the place where he was bred, was the property of John Hutton, Esq., of Marsk, Yorkshire, who afterwards disposed of him to his royal

Marsk must be deemed a capital racer, since he beat Brilliant, but he was an uncertain horse. started but five times, and no where, we believe. but at Newmarket. Being in low estimation as a stallion, in the Duke's stud, he was sold at his royal highness' sale at Tattersall's, to a farmer, for a trilling sum; and in 1766, as has been before observed, covered country mares and foresters, at half a guinea; when Mr. Wildman, finding his intelligence respecting the Eclipse colt, correct, thought it advisable to get into his possession the sirc of such a colt, and purchased Marsk of the farmer, for twenty pounds, who professed himself happy to be so well rid of a bad bargain. Of Marsk's subsequent advance in fame and price, as a stallion, we have spoken before. He has been styled the "prince of horses," and his fame will be handed down to as late a posterity as the fame of his princely owner. It is sufficient to say that, besides so many other racers of high reputation, he was the sire of Eclipse. Shark, Pretender, Honest Kitt, Masquerade, Leviathan, Salopian, Pontac. Shark won sixteen thousand and fifty-seven guineas, in matches, sweepstakes, and plates; beating the best horses of his day, at their own play, whether speed

Marsk seems to have had the caprices of fortune imparted to him, as an inheritance from his sire. Squirt, after running with great repute, became a stallion in Sir Harry Harpier's stud, who esteeming him of no worth, ordered him to be shot. As the huntsman was leading him out to the dog kennel, he was begged off by the stud groom; and afterwards got Marsk, Syphon, Prat's famous Old Mare that bred Pumpkin, Maiden, Purity-with many others Syphon got Sweetwilliam, Sweetbriar, Tandem, Daisey, and others. These curious and interesting facts, which might be greatly multiplied, surely cannot fail of having a certain effect upon the minds of those, who breed and train horses for the course. But of such considerations, we in vain, reminded O'Kelly and others, immediately before Shark was taken from this country, for the paltry sum of one hundred and thirty pounds.

[Sportsman's Rep.

DUCK SHOOTING.

[The Editor of the Manufacturers' and Farmers' Journal, in copying the article on duck shooting troduces it with the following observations:

"The writer of the following is evidently a keen this, adds, that some Christians have become Ma-hometans, merely to be entitled to this privilege. region, and we presume elsewhere, since time, contrary. A red silk handkerchief, tied to the end of the ramrod, and slowly and steadily waved backwards and forwards, will, when the ducks are in a good humour, produce the same result."

EDITORIAL CORRESPONDENCE.

Hanover, near Wilkesbarre, Jan. 2, 1827.

Dear Sir-I inclose herewith two small packets highness, the Duke of Cumberland, was got by of seed, one of which I will thank you to forward to Squirt, son of Bartlet's Childers, out of the Ruby William Bowly, Esq., to whose good lady its conmare, which was from a daughter of Bay Bolton tents will, I expect, be very acceptable; the other and Hutton's Black Legs-Fox Cnb-Coneyskins- is for your own acceptance; and with respect to the Hutton's Grey Barb—a daughter of Hutton's Ruyal colt—a daughter of the Byerley Turk, from a Bustler mare. This is one of our highest bred pedigrees, going back to the reign of Charles I. In from a friend in England, whose gardener is skilled The following is an account, made up from Lloyd's the year 1750, the Duke made an exchange of a in the raising of fine fruits; and last summer I suclist, of the number of ships and vessels belonging to chestnut Arabian with Mr. Hutton, for the colt, ceeded, for the first time, in raising an abundance of the British empire, which have been lost, stranded, which his royal highness afterwards named Marsk, fine fruit from this seed, and at a distance from aft

that the seed I send you is perfectly genuine and next meeting be held at his residence on the 22d o unmixed. The balsam is also particularly fine and Feb., the birth-day of the illustrious Washington. double, and when planted out singly in the flower border, will grow to a considerable size, and display much beauty and variety of colours for a long time; and if planted at two different seasons, (say, 1st May and 1st June,) the latter will form a succession that will continue in flower until there is frost.

I have more of the melon seed to spare, sufficient for distribution among some of your subscribers; and if you will inform me the weight to which I most confine myself in sending you a packet, I will Potatoes, bush. 75 cts.; Eggs, doz. 184 cts.; Turkeys in conformity thereto send you a further supply.

I wish to get a thimble full of some very choice a 37½ cts.; Turnips, per hush. 37½ a 50 cts. tobacco seed, that will produce tobacco suitable for Hay, per ton, \$20; Rye Straw, do. \$14; Chop Rye good segars; the Maryland yellow is probably a cwt. \$1.75; Oats, bush. 45 a 50 cts.; Corn, in ears good sort for this purpose. I shall feel obliged, if \$3 50 per bbl.; Cut Straw, bush. 5 cts. you will favour me with a small packet of such kind as will best answer my object.

With great respect, I remain, dear sir,

Very truly yours, Esq CHAS. STREATER. J. S. SKINNER, Esq.

DOMESTIC WINE.

Extract to the Editor, dated Columbia, S. C., Dec. 23, 1826,

You, no doubt, remember that I made some wine last August, which I judged would be very good. It has turned out as I judged. It was found so good, Mechanics' Bank, . . . though only three mouths old, as to sell readily at Franklin Bank, two dollars per gallon, at which price, I firmly be- Commercial and Farmers' Bank, lieve I could have sold in three weeks time four or Farmers' and Merchants' Bank, . five thousand gallons if I had had it. I was assur- City Bank, w ed by several persons of the most respectable in the Marine Bank, state, that experienced old Madeira drinkers pushed Farmers' Bank of Maryland, w the Madeira aside to drink Palmyra. This is very flattering, and is very encouraging. I had intended to send you at least half a dozen bottles of it; but I unfortunately lost almost all I had reserved for 1 am very respectfully, dear sir, myself. Your obedient servant,

N. B. Dr. R. is so well satisfied with my success with the grape, that he assured me it was his firm determination to have two hundred acres planted in vines in ten years. in vines in ten years.

THIS IS ARMIS IC.

BALTIMORE, FRIDAY, JANUARY 19, 1827.

AGRICULTURAL SOCIETY OF MARYLAND. Baltimore, Jan. 11, 1827.

At a meeting of the Trustees of the Agricultural Temascaltenec Mining Co's, per share, 600 Society of Maryland, at Mr. J B. Morris's, were present-George Howard, President, Richard Ca ion, John B. Morris, Col. N. Bosley, Jacob Hollingsworth, Samuel W. Smith, Allen Thomas, Geo. Cooke, James Swan, J. S. Skinner, Corresponding Secretary, James Cox, Treasurer.

Mr. Caton, from the committee to whom was referred the subject of memorializing Congress to allow the importation of rock salt free of duty, hav

ing stated the purport of the memorial, it was Resolved, That the same be deposited in the hands of the Corresponding Secretary, to be by him forwarded to one of our representatives in Congress.

A memorial to the legislature of Maryland, on behalf of the Maryland Academy of Sciences and of the Agricultural Society of Maryland, praying for en-Improvement of the Internal resources of Mar the passage of a law authorising a geological and land, Publick meeting at Bultimore on the Susqueha machanical survey of the state, was read and an appropriate survey of the state, was read and an appropriate survey of the state, was read and appropriate survey of the state. mineralogical survey of the state, was read and approved. Whereupon it was

Resolved unanimously, That said memorial he signed by the President on behalf of the Board

other vines, so that there is good reason to believe now a member of the Board, it was agreed that the J. S. SKINNER, Sec'y pro. tem. Test,

> Any gentleman disposed to unite with two others in the purchase of an IMPROVED SHORT HOAD Bull, for their joint use, will please give notice to the Editor of the American Farmer.

> MARKETING.—Butter, per lb. 25 a 311 cts.; Beef cwt. \$5; Pork, \$4.25; Veal, lb. 8 cts.; Mutton, 6 cts 75 cts. a \$1; Geese, 37 a 50 cts.; Chickens, pair, 2

PRICES OF STOCKS.

(Reported for the American Farmer, by MERRYMAN GITTINGS, Stock and Exchange Brokers.)

> Baltimore, Jan. 19, 1827. par value. preses

BANK STOCKS. \$100 117a11 U. States' Bank Stock, per share, Bank of Maryland, 300 do. 227 1/ Bank of Baltimore, do. (div. off,) 300 342 Union Bank Maryland, do. do. 75 75 9.5 20 25.2 26 50 15 9.8 27.2 25 53 10 CITY STOCKS. Corporation 6 per cent. redeemable ? 100 110 after 1836. (div. off,)

Do. 5 per cent. redeemable in 1832,) 101 (div. off,) Penitentiary 5 pr. cent. stock; (none? in market,) .

100 par Sin Annuities, or Ground Rents, : 6 to 10 per cer

ROAD STOCKS. Reister's Town, (div. off,) f. s. 10.9 do. f. s. Yofk, 20 7. 20 Frederick, . do. 11. Washington and Baltimore, 50 31 Baltimore Water Company Stock, 93 per share, (div. off,) Union Manuf. Co. Stock. per share, 14 Gas Stock. 100 115 850 Havre de Grace Turnpike 6 per cts. par & intere

U. STATES' STOCK. Six per cent. 1813, (div. off,) 101 ----, 1814, 100 do. 102 -, 1815, do. 100 104 Phree per cent. do. 100 80 Four and half per cent. do. 100 101 Five per cent. do. 100

W., wanted-f. s., for sale, by Merryman & Gitting

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PRICES CHERRING

f	PRICES C	UE:	REN	T.			
	ARTICLES.	non	WHOL	ESALE.	RET	AIL.	Į,
		per.	from	10	from	to	
	BEEF, Baltimore Prime,	bbl.	8 50	9 00			
0	BACON, and Hams,	lb.	6	10	9	12	
N	BEES-WAX, Am. yellow	-	29	30		50	
0	COFFEE, Java, Havana,		16 14	16 <u>4</u> 16	20	55	
	COTTON, Louisiana, &c.		11	14		20	
	Georgia Upland	_	10	112			
ſ,	COTTON YARN, No. 10,		28				
.,	An advance of 1 cent	_					
s,	each number to No. 16.		13	16	16		
3	CANDLES, Mould, Dipt,		12	16 14	16	18 16	
е,	CHEESE,		81	12	12	15	
s.	FEATHERS, Live,		30	3:2	37		
	FISH, Herrings, Sus.	bbl.					
-	Shad, trimmed,		5 50	6 00			
	FLAXSEED, FLOUR, Superfine, eity,	bush bbl.	1 00 5 50	1 10	į		
- [Fine,	- 501.	5 25	5 50			
&	Susquehanna, superfi.					none	
	GUNPOWDER, Balti .	25 lb	5 00		5 50	Home	
3	GRAIN, Ind. corn, yellow	bush		60		1	
nt	When Erwill Floor	_	58	60		non	
8	Wheat, Family Flour, do. Lawler, & Red, new		1 05	1 10		Tin.	
v	do. Red, Susque	_	1 05	1 10		al.	
	Rye,	_	75			,	
	Barley, Eastern	_	1 22	1 25			
0	Do. country		90	1 00	0		
25	Clover Seed, Red Ruta Baga Seed,	bush Ib.	4 50 87	5 00	5 50 1 00		
	Orchard Grass Seed,	bush	3 50		. 00	23 (23)39	
25	Mangel Wurtzel Seed,	_	1 25		1 50	none	
30	Timothy Seed,	-	4 00		5 00		
25	Oats,	-	45		50		
0	Beans White,	lon	260	1 50	2 00		
	HEMP, Russia, clean, Do. Country	ton	120	200			
	HOPS, 1st sort, (1826)	lb.	18		25		
	HOGS' LARD,	_	9	10	12		
	LEAD, Pig	lb.	65				
	Bar	-	7½ 21	8 23	32		
	LEATHER, Soal, best, MOLASSES, sugar-house	gal.		50	32	75	
	Havana, 1st qual	_	30	32	371		
nt.	NAILS, 6a20d	lb.	64		9		
nI.	NAVAL STORES, Tar,	bhl.	1 50	1 621			
	Pitch,		1 75	1			
25	OIL, Whale, common, .	gal.	33	34	40		
25	Spermaeeti, winter .	-	75		88		
75		pp]	11 50				
5 0	do. Prime,	1-	9 00		1		
	PLASTER, cargo price,	bbl	1 50	(
	RICE, fresh,	Jb.	0.1		5		
w	SOAF, Baltimore White.	lb.	12	14			
	Brown and yellow,	-	5 1		10		
est	WHISKEY, 1st proof, .	gal.	33		1 25	50	
-00	PEACH BRANDY, 4th pr APP E BRANDY, 1st pr		31	1 00	50		
1	SUG ARS, Havana White,	e.lb.	12 50	13	14	15	
i.	do. Brown,	-	10 00		10		
L	Louisiana,	Th.	7 25	9 20	10 20	11	
	SPICES, Cloves,	lb.	70	22	1 00	22	
	Ginger, Ground,	_	7	1	12	18	
	Pepper,	-	15		25		
gs.	SALT, St. Ubes,	bush			75		
=	Liverpool ground	all.	54 8 50	4	75 12		
	SHOT, Balt. all sizes, WINES, Madeira, L. P.	gal.	2 50	1	3 50		
ral	do. Sicily		1 10		1 50		
ot at-	Lisbon,	1-	1 05	1 10	1 50		
ai- :h-	Port, first quality,	gal.					
ry-	WOOL, Merino, iun arc	Ι ів.	30		wa	sh ³ ou	
ın-	Common Country.		18		> sn	eep's k & free	
ids ite	Skinners' or Pulled.	1-	20		Date	n tags.	
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SKINNER, Editor, by John D. Toy, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

RURAL ECONOMY.

TAPIA.

Georgetown, D. C., Jan. 1827.

J. S. SKINNER, Esq.

art of building strong and durable walls, to the height appearance of a substantial stone bouse. duced me to give a description of the latter, in or- it. der that you may insert it in your paper; as I bebuildings will be useful to some of your numerous shells. under its proper title.

Tapia, or the art of constructing edifices and wills with a composition of shells, time and sand-or of Carolina and Georgia, arewith small stones. lime and sand.

Tapia is of very ancient origin. It is with his material that the eastles and walls of Algiers, Tunis, and other cities on the coast of Barbary are constructed. In South Carolina and Georgia there are still remaining buildings of this kind wlich were erected by the English before the American revolution. The sea battery of old Fort Johnson, in the harbour of Charleston, and the horn work in of ary size convenient for mixing in the tapia. the rear of that city, were before the last war Frederica, on the coast of Georgia, composed a

that I was erecting a palace; and the work was in that I was erecting a palace; and the work was in the inside of the uprights, and kept apart by means consequence of the report, suspended; but afterwards finished with one story, as it now stands. The walls of this edifice were built by the labour cured. billets of wood split and auger holes bored of Africans, just arrived in the last of the slave in them, and uprights of straight sapplings tied to Sir.—I have been much gratified and instructed ships; a fact which I mention, to show that it does gether at the top with withes of bark or grape vine, by perusing the volumes of your excellent paper, not require any remarkable skill to construct a tapia or pieces of rope, by making several turns round by perusing the volumes of your excellent paper, building. After the work was finished, the whole the uprights and secured to a stick.

The site for the building is now selected and leof several stories, with nothing but earth, or the most walls are twenty inches thick. I observed that in vation is made accordingly, but rather larger than of several stories, with nothing but earth, or the most common materials—drawn up and presented to the Carolina the composition is called tabby. and this I bard of Agriculture, by Henry Holland, Esq. have supposed is a corruption of the Spanish word The resemblance of this mode of construction to that of building with Tapia, or Tabby, as it is terminated by the supposed of similar pastarials of the stapia batteries in that fortress, with nothing but earth, or the most common materials—drawn up and presented to the Carolina the composition is called tabby. and this I for a stone wall, so as to give room to set the frames and to let the air pass round the wall, after that of building with Tapia, or Tabby, as it is terminated by the supposed of similar pastarials. ed in South Carolina and Georgia, and which I do posed of similar materials-so that it may be pre not see noticed in any part of your work, has in- sumed that the true word is tapia; so we will call where they are let into the ground, so as to let the

lieve the knowledge of the art of making tapia the tapia is composed of lime, sand and oyster pieces and uprights—the boards in the first instance readers. We will therefore head it in regular order indifferent, a greater proportion of that ingredient thickness of the intended wall. The composition is requisite to make good tapia, than where lime of is now thrown into the moulds commencing at one a superior quality can be obtained.

One part lime, Two parts sand, Four parts shells.

no shells, the proportions are-

One of lime,

Four of sand,

Five of stones. The stones may be

The proportion of sand must be adapted to the

The method of mixing the tapia is simply this: as directors in the construction of the wall. castle, or citadel and barracks, in the formof a The shells, or small stones, are first strewed on the square; the walls of the citadel and barrackswere ground, or on a floor of boards laid for the pur- folding in the same manner as in buildings of any square; the wans of the chader and good state oper-pose; the lime is then thrown on top of the shells other materials; beams are laid as in other houses, standing in 1808, and were in a good state build or stones; then the sand on the lime, and lastly and so are the rafters and other wood work—but in ings had been set on fire and all the wood fork of these ingredients, which are stirred up with a hoc places, blocks of wood or bricks may be placed in about two feet thick, and those of the barroks only or shovel, making the composition about as wet as the walls at the proper place where the beams are ten inches; the former two stories highand the common mortar. Thus prepared, the tapia is to rest, and taken out afterwards, the more readily latter but one. There were also the wal of Fort thrown up in heaps, to keep it muist, or is immediate to insert the ends of the beams; or places may easi-Littleton, at Port Royal, in South Carolin, remaining in good preservation; all these workwere built and then emptied and afterwards rammed in the for their reception. of tupia, composed of lime and oyster shls, without moulds, the better to mix the several ingredients,

mansion of General Greene, on Cuberland island, carrying on the work, are hoes and shovels for mixin Georgia. These buildings are composed of ing the composition; buckets for the water, in which be filled at once. The holes in the wall occasioned lime and shells, and are strong arpermanent edialso the tapia may be carried to the moulds, if hods by drawing out the cross pieces, are filled with the

individual, who reported to the War Department then boards an inch and a half thick, are set against

The velled. If it is intended to have a cellar, the excaare then set at the distance of three feet apart, boards come in contact with the earth, and the In the southern states, where there are no stones, hoards are set in the frames composed of the cross The lime on the sea coast being generally are kept asunder by a small stick in length just the of the corners and continued until it is filled all The propurtions for making tapia on the coast round, and occasionally rammed to make it the more compact. By the time the whole of the wall has been gone round, the commencement or plan of beginning is ready to receive an additional layer; so proceeding round again it may be carried on the In the country, where good lime is to be had and height of two boards, when the frames are loosened and taken off, and set anew-which is done in the following manner: The vokes on the top of the uprights are first loosened or taken off, then the boards are removed; the uprights next taken out of the cross pieces and then the cross pieces are drawn the rear of that city, were before the last war plainly to be seen, and so much of these woks as strength of the lime. The principle is this: The were permitted to remain, were firm and srong lime and sand are to form the mortar, and the shells or stones are to supply the place of bricks or large or stones are to supply the place of bricks or large of strong plants, say 21 or 3 inch plants, and other openings, are made that raging element. General Oglethorpe, in about the wall, and the manner of building with the ly of the thickness of the wall, and placed or the top of the wall and arranged as when first put up; and thus the work is stones in the walls. The proportions being now of strong plants, say 22 or 3 inch plants, and exact-that raging element. General Oglethorpe, in about the wall and placed or the wall and arranged as when first put up; and thus the work is stones in the walls. The proportions being now of strong plants, say 22 or 3 inch plants, and exact-that raging element. out of the wall, and placed on the top of the wall the year 1736, to defend himself against the pa-niards, erected a fort, or fortified cantonnen, at rying on the work. frames must be kept perpendicular, and thus serve

It is necessary in building high walls, to have scaf-

The best time of the year to construct tapia, is sand Since the revolution, there have een seve and to force the tapia into the corners and fill up during the dry season in summer, when, if sufficient ral buildings constructed of tapia. The mansion of any interstices that may be left by the inequality hands are employed, two feet of wall may be car-General Charles Cotesworth Pinckney on Pinckney of the stones or shells—thus making it one solid island, in Broad river; and a college four stories, at Beaufort, in South Carulina; at the splendid All the implements for mixing the tapia and for allowing more time for though it is better not to proceed quite so rapidly, All the implements for mixing the tapia and for allowing more time for the tapia to dry. Two lime and shells, and are strong arrothatent edifices. Since Savannah was de oved by fire in 18—, that city has been rebuil am informed, with beautiful edifices of tapia, in 1808, I was stationed in the southern states, which Engineer for North Carolina, South Caroli and Georgia. Durmoulds are made in the following manner.

The moulds are made to the moulds, if hods are moulds, if hods are metrials as that of which the wall is made, and are not perceptable afterwards. If the house or wall to be constructed is not very high, the uprights may be stuck into the ground at the proper distance, suited to the thickness of the intended oulds are made in the following manner.

The mould is composed of any number of short wall, and the boards ranged as above directed, and Ing that period I made severexperiments on the intended tapia, and built several hous. One, in particular, pieces of scantling, about three inches square, of the uprights fastened by cords or withes, bound is a noble edifice, the officer water at Fort John length suitable to the thickness of the intended wall, round them and secured with a stick; and as the son, in the harbour of Cheston. The edifice is having at each end a mortice or tenon hole, and as wall goes on, the boards may be raised, and small son, in the harbour of Cheston. The edifice is having at each end a mortice or tenon hole, and as 125 feet by 40, including twalls—the wings properly feet 14 feet and are unitely a colonade; it has a basement, and was to had two stories with a end, so made as to enter the mortice easily into the flat roof; but the splendippearance of the building, when it was only offery high, alarmed some piece above, which will keep two of them together; with the wall, in order to contain the tapia, as in

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story, it would be economy to have the uprights inch of the bottom of the cask. At the same end that part of them to be inhabited by cats and owls. suited for rafters, or some other part of the building. is a condensing syringe, by means of which air can which would be unpleasant to those who like to see The boards are also applicable to some parts of the building after the walls are constructed. It is preit is obvious that the liquor will have a tendency to likewise be found that the ornamented grounds, ferable to have the hoards planed, as they will make escape through the tube, and out at the cock, with which cost the gentleman so much money, and subthe faces of the walls smooth, so that in cottages or other inferior buildings, it will not be necessary to plaster them afterwards. Tapia walls take the plaster admirably, and may be rough-cast on the out ter admirably, and may be rough-cast on the out side; and marked off like stone work, if desired .-The tapia also makes very good floors for cottages, cellars, or other apartments where it is desirable to have paved fluors. By adding to the composition a small proportion of canal or Roman cement, it will make the floor exceedingly hard, and hold water the ale will come up sprightly and good, with a like a cistern. From the nature of the material, dense creamy head to the last In short, all the be removed. The trees and shrubs must be grubany shape may be given to the walls that may be desired; either circular, octagonal or square. The composition will also conform to any ornaments that more than a small quantity is required. may be inserted in the frames. Pillars may be constructed, and also arches. Platforms for drying cotton, or any other article, may be made of tapia

I shall now refer the reader to the annexed plate, where will be more plainly shown the manner of building, and the form of each implement and arti cle used in the construction of tapia buildings, and at the same time some idea of the work as it pro-ceeds, will be exhibited. The advantage of building with tapia, is its cheapness; no mechanics are necessary, except carpenters for the wood work in a house; but none in walls or fences. Labourers may do all the tapia work; it requiring only a principal hand to see that the walls are straight and plumb, and the windows and doors put in their proper places, as the work progresses. A master carpenter can attend to the erection of the whole work .-The comparative expense to brick or stone work, is one half in favour of tapia; and very little more than the cost of the lime dearer than pise in its construction; but much more elegant and durable in our climate.

If you conceive that this communication is worthy a place in your valuable paper, you will insert it for the benefit of your readers.

With much esteem, lam, sir, Yours, very respectfully, ALEX. MACOMB.

[The above interesting communication was accostly to have them engraved. Where the text, however, does not amply explain, the subject may used in previous volumes of this journal, in reference to the Pisc mode of building houses. Those who desire it, can see the drawings at the office of them to any gentleman who may wish it.]

may be constantly under pressure in casks, as well value of the premises by a prudent purchaser. He has a vessel made in the knows full well that no profit which can be derived doubled activity, until he gains what he has lost form of a cask, of strong tin, strongly hooped; it stands on its end. At the upper end is a cock sol-that the necessary repairs of the extra buildings to shake off the dust, or appendix to shake off the dust.

commencing the wall. If it is a house of a single dered to a tube, which is immersed to within an will be a continued tax on the farm, unless he leaves or what is called a creamy head. In this case it land is lost; also, that unless he submits to the an-will be evident, that every time ale is drawn from mual tax of keeping them in order, the whole, in the cask, the air it contains is not exposed to the place of a part, will become a wilderness, and spoil atmosphere, the liquor is kept under pressure, no the appearance of his farm; therefore, expensive vent peg is necessary, and Mr. Donovan states that alterations must take place, before the obstacles advantages of bottling will be obtained, without the bed up, and the gravel and other trash opposed to disadvantage of sacrificing a whole bottle when no vegetation removed, before the grounds can be pro-

> Died, at Allithwaite, Westmoreland, Mrs. Sarah Birkett, innkeeper, and formerly of Troutbeck, famous for brewing fine ale. On her sign-post is written these words:

O mortal man, that liv'st by bread, How comes thy nose to be so red? Thou silly ass, that took'st so pale, 'Tis red with Sarah Birkett's ale.

AGRICULTURE.

ON GENTLEMAN FARMING.

(From Lorain's Husbandry.)

Remarks on the gentleman's country establishment. and a more economical management proposed.

[Continued from page 346.]

I will now make my remarks on what has been advanced in the preceding chapter.

Until the gentleman's buildings are so far mush ed, as to afford a tolerably comfortable residence for his family, they generally continue in town; useks wants, consequently his visits to the farm are transient; It may, ho and having collected together masons, carpenters, painters, &c. with the necessary labourers to wait resolut to live in style, it is certainly no business on them; also gardeners, with workmen to assist of mi; still, as he professes to admire agriculthem in forming the garden and lawn, and to plant ture, all wishes to promote its interest to the utcompanied with drawings very neatly executed, and a vast number of trees, shrubs, bushes. vines, flow clearly illustrative of the plan of the work, and the crs, &c.; likewise fence makers, ditchers, blasters, implements for its execution; but it would be too ploughmen, carters, and labourers to do the business on the farm; the wages and provision for such be readil avoided. a bost must cost an immense sum of money. When be fully understood by reference to the engravings the wanton waste, depredation, and idleness, that seems to a rational plan, and one well calculated naturally take place, where no care can be taken, to gratify e gentleman's ambition, without injurand every person follows the bent of his own incli-ing the reltation of gentleman farming: provided nation without restraint, are considered, it is rea- he is not songrossed by other pleasures as to prethe American Farmer, or the Editor will inclose sonable to suppose, that on an average every thing vent his pernal attention, both early and late, to that is done, costs him two or three times as much the business the farm. Unless a gentleman be as it ought to do, especially as many of the people as fond of agulture as a sportsman of his dogs ALE AND PORTER PRESERVER.

In order to preserve ale or porter in good condition, for a considerable length of time, it is generally kept in bottles; and though the method of bottling does sufficiently well, yet Mr. Donovan remarks it is subject to this inconvenience, that in the level with them, he commonly finds it contrary to his interest or inclination to expose their faults.

In order to preserve ale or porter in good condition, for a considerable length of time, it is generally kept in bottles; and though the method of bottling does sufficiently well, yet Mr. Donovan remails does sufficiently well, yet Mr. Donovan remails does sufficiently well, when the knew to preserve when the had hired to hour game for his table, and to the level with them, he commonly finds it contrary that money would be this with much less trouble to his interest or inclination to expose their faults. marks it is subject to this inconvenience, that in to his interest or inclination to expose their radius, and the loved his ease too well to eases where a small quantity, as one draught, is If the gentleman should finally get tired of farming, wanted, all the rest of the ale in the bottle goes to as too commonly happens, in consequence of saddling waste, unless very small bottles be used, which it with a useless and enormous expense, he will soon gable, and that his plant arises from active purdices or the twenty he has expended over and above suit. He will rise long. would be expensive and inconvenient. Mr. Dono- discover that what he has expended over and above suit. He will rise lon efore day to join the chase would be expensive and inconvenient. Mr. Dono-discover that what he has expended or an above and inconvenient. Mr. Dono-discover that what he has expended or and above and another are the secret cause of useful improvements is lost. Useless brick, mortar in time; leap fences ditches, and ride at full alle, &c. keeping so well in bottles; and therefore and lumber, united with every expensive ornaments by which the liquids tal work, form no part of the estimate made of the from his horse, and his by are not dislocated, he

fitably employed.

Whereas if the gentleman had properly considered the subject, his own good sense would have irformed him, that no art of man, aided by all the beauties of nature, could possibly decorate the grounds round a farmer's house, with any variety half as interesting as luxuriant crops judiciously cultivated. The beautifully green headlands around his fields, when moved for the cattle while the grasses are still young, would form a useful and interesting carpet, adorned with the small and simple flowers of the season, furnishing extensive walks and scenes truly in unison with rural simplicity, and the economy of farming, as well as honourable to the taste and good sense of the owner, especially if he be actually very wealthy, and might without the least inconvenience possess all those expensive and useless toys which are so well calculated to divert little uinds; such a gentleman farmer would do honour to his profession, for his example would not tempt other gentlemen in his neighbourhood, who were less spulent, to injure their finances by aping his spiralour, or else induce them to avoid an intimate intercourse, lest the happiness of their families misht be blighted by the creation of artificial and

It may, however, be proper to observe, that if the entleman possess a princely estate, and has most ohis power, it would be unpardonable in him to sadd it with expenditures, entirely inconsistent with the conomy of farming, especially as this may

I therere beg the liberty of proposing what

on without it. Such choice spirits as those are exactly calculated for gentlemen farmers, provided business is properly executed. they are really interested in the pursuit, and are resolved to be governed by the genuine principles of rest, when it is practicable, to have his mowing rural economy, and their previous habits have reaping and cradling done by the acre, and his corn taught them the inestimable advantages that may lation; for, on the proper exercise of these invalu- cubic feet in each; his grounds ploughed and har-

principally depends.

live in style, I would advise him to lay off a suffibly increased in consequence of the expensive build- but also stimulate them to more industry. ing, &c. erected for the family, he should be careful castle and plebeians on the farm; otherwise, the absence or transient visits to the farm, would not latter will become very restive and troublesome to sell for half the money they cost. him. They will murmur loudly against hard lastore rooms and cellars.

gether, the world (which in cases of this kind seldom, if ever, discriminates properly,) will attribute the enormous loss arising from the sale, to gentleman farming. If, however, the will be mace, the of Philadelphia, formerly occupied by me. gentleman may have the satisfaction of feeling easy on his dying pillow; at least so far as agriculture farm has been charged with its first cost, and every necessary rational improvement made on it, that it nual income of at least ten per cent, on the aggre

A gentleman should have all his buildings finish-

The gentleman will also find it much to his intefodder cut and gathered in the same way; his mahe derived from observation, reflection and calculature hauled out to the fields by the load, of so many able principles, the prosperity of gentleman farming rowed by the acre, himself or the contractors findtions has purchased a larm, and is determined to and hauled in the same way; corn husked and cribciency of ground for the necessary buildings, park, same way; removing stumps, rocks and other ob-

No live stock should be purchased, or any crops not to burden the farm with more than its just pro-cultivated by the gentleman, until he removes to portion of them. As his steward, butler, huntsman, the farm. It is ten to one but the former will be so might be fattened with much less labour. England, gamekeeper, groom, coachman, and servants under much neglected through the winter, that they will though vastly too expensive in her agricultural purthem, together with his housekeeper, chambermaid, not sell for as much in the spring as they cost in the suits, (since it has become fashionable for gentlenurses, waiters, cook, scullions, &c. will have much fall, although much money has been expended for men to farm in that country,) is much more econoleisure, he should draw a positive line of demarca- food and attendance on them. It is also more than unical in the erection of farm buildings, than Penn tion between these respectable inhabitants of the probable that crops grown at his expense during his sylvania, and in fact ought to be.

bour, while others, whom they will most certainly the improvement of the soil, and also to provide farmers, they would be entirely ruined. Here we consider no better than themselves, are well paid sufficient foud for an extensive stock of cattle, the very frequently see large piles of buildings erected for lolling a considerable portion of their time in fields which are not in grass should be let out on on not more than from one hundred to a hundred the shade; mure especially as they do not partake shares to the farmers in his neighbourhood to be and fifty acres of land, though the average product so freely of the delicacies from their employer's ta- sown in small grain: either on one or more ploughble, nor have the same opportunity of visiting his ings, as may best accord with the views of the cul- Britain; when if half the money expended on usetivator. On these grounds red clover ought to be less stone and mortar, had been judiciously laid out I would also advise the gentleman to keep a will sown early in the spring. If gypsum be sown on in live stock and the improvement of the soil, the always ready made, ordering the separate sale of them, hay and pasture will abound. The grounds product would be at least equal, for our soil is nathe "Family Establishment," and of the farm; test may be rough, and weeds too plentiful; still, this is turally as good, and our climate is vastly more fain the last act of his life he might disgrace gentle- of but trivial consequence, when compared with the vourable to vegetation than the climate of England. man farming. If both should happen to be sold to-great advantage which may be derived from this Now if it be a fact, that the plain practical farmer invaluable practice.

It was by these means that the very rapid improvement was effected on the farm, in the vicinity

I would advise the gentleman, even if he should well as injurious to themselves, and the interest of remove immediately to the farm, to put out on gentleman farming may be concerned: for his farming accounts will shares, all the fields that are not in grass, and which clearly demonstrate to the world, that after the may not be wanted for the commencement of his of course should be preferred when the old ones

first course of crops.

is actually capable of producing a neat clear, an better acquainted with farming. This will ena- answer every purpose quite as well. The use of a gate amount, and also a like interest or the capital more care and skill: also prevent the heavy losses, supersede economy in the practice of farming necessary to carry it on: even after fill allowance that but too often arise from gentlemen aiming at Where land is cheap, and timber an incumbrance, has been made for wear and tear, and also for the too much in the beginning. This is not all; for but a fence made by heaping up the logs, though far depreciation in value of horses growr older in his very light crops of grain are to be expected from a from being handsome, should be preferred; espeservice, together with every necessary repair done hasty and imperfect cultivation of a thin soil; especially by gentlemen farmers, for they ought to pato the buildings, fencing. &c. This is not all; for, cially when conducted by a person who has not tronize economy in their neighbourhood. Such a although temporary depreciations it real property sufficient information to employ every favourable fence is formed by materials which must be remov-will occur from various causes, it is a well known circumstance to the best advantage; consequently, ed before the grounds can be cultivated. fact, that, on the whole, its value increases with the if he should only get the straw for his share of the A sufficiency of them may as well be heaped up increase of the population and prosperity of the crop, it will be better than to risk the cultivation of for a fence, as heaped and burned on the clearing; country. It will also be found if the gentleman all the fields himself; but it is probable he may particularly as they are lasting, and may be readily has managed judiciously, that one acre of the soil, make a much better contract than this. Here it repaired by the falling timber, and are, if well taking the whole on an average, will produce more seems proper to remark that, although it may be made, the best defence. Even the falling of the than three acres did at the tine he purchased the found necessary to meet the views of the farmer, to adjacent trees does not break them, neither can any farm; unless, indeed, it was atthat time more highly improved than farms generally are. For talents, less expensive, but also far better to sow on but one them. If sheep or hogs climb over them, a little capital and industry are capible of effecting an imploughing, as the animal and vegetable matter is brush laid on the top, will effectually exclude those mense improvement in the soil, in a much shorter far better secured from useless waste; and unless intruders. The logs, as is too often done, should

his clothes, and if his hat be not readily found, a seldom cost half so much as they would do in the ed, a smoother surface for mowing the clover is handkerchief quickly supplies its place, and he hies usual way. Much trouble and vexation will also be generally obtained by one ploughing than more, if avoided, as his only care will be to observe that the the furrow slices be well turned, and levelled by the roller, previously to harrowing and sowing the small

The produce of a highly improved and well cultivated farm, is very great. If extensive barns and other buildings, sufficient to store the whole of these bulky articles, be erected in the plainest, but at the same time in the best way, together with only such a dwelling house as is commonly built by the plain, ing the teams; ditching done by the perch, and but wealthy Pennsylvania farmer, the whole will When a gentleman possessing these qualifica- fencing by the pannel; wood chopped by the cord, amount to more money than the estate will bring. unless a favourable opportunity offers when it may bed by the bushel; it and other grain threshed in the happen to be sold. As the rise in the price of land frequently covers the loss, this serious evil is too lawn, garden, fishpond, &c., and to charge this, stacles by the acre or job; clearing woodlands in seldom seen or considered. This, however, is not with every improvement made on it, to "Family the same way. The undertakers should either find all, for the interest and repairs on the multiplied Establishment," and the remaining acres to the farm. As the taxes will, or ought to be, considera working, as this will not only lessen the expense, sum, and is a yearly tax on the farm. When, in most instances, simple and cheap conveniences, would secure the crops better from waste, and also furnish preferable shelter for live stock, where they

If it costs the owners of lands in England, as much for farm buildings, in proportion to the sur-But as it is of the utmost consequence to hasten face of the soil, as it costs too many Pennsylvania per acre, falls considerably short of that of Great is seldom remunerated for erecting very extensive, but plain buildings on a farm, it consequently follows that gentlemen farmer's extensive and splendid establishments, must be very injudicious, as

Regular and well formed fences look well, and are actually worn out; provided they are equally These should be very limited until he becomes good, and not more expensive than others that will ble him to execute the little he undertakes with fence is to defend the field. Beauty should never

time than the probable eistence of purchasers in the grounds be often ploughed, harrowed and roll- not interlock the whole length of the fence. In that case, if the fire, which is often employed by the back-woods farmer, communicates to the fence, it careful to heap the logs in certain parts of the

^{*} Disputes and complaining, however, would be betcd before he removes to the farm. The whole ought to be erected by contract; the undertakers board the whole time the job is in hand, and paying hart of the logs. Therefore, the farmer should be finding all the materias. If this be done, they will them more for doing the work.

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898 90

fence, so that they may be readily removed aside, to put a stop to the progress of the fire. In these places the logs should be sufficiently light to insure the ready removal of them, if there should happen to be but one or two persons on the premises, when the accident takes place.

Altering roads is an expensive business, for the soil is worn off from the old ones, and they ought in the whole \$3000. The interest of capital, thereto be sufficiently enriched to promote vegetation. fore, is When they are actually badly contrived, it should W be done; however, not until the gentleman has become sufficiently acquainted with his business, and also with the premises, to enable him to do it pro-

perly, and without useless expense.

I believe the gentleman will never be paid for filling gullies and quarries, if it be done off hand, wood lot at some distance, so that he pays no moand that he who does it, either injures his profession, by setting a bad example to his neighbour- family has not been considered in this account. hood, or subjecting himself to the ridicule of it. But if he lay suitable materials across the former, in proper places to stop the washings that empty worthy of imitation. into them, time will effect this purpose much sooner than some would suppose; especially if the water furrows, when the field is cultivated, be construct a small farm, and selling his produce at the door. cd, so far as it may be found practicable, to run into he is able to do most of his work himself, and there- by two engineers of high reputation, (unconnected them. The water furrows should also be formed to by avoids the miserable and ruinous system of keep-with this work,) who have lately examined the whole empty into the quarries when it can be done. This, ing hired men, who may be lazy and unfaithful, together with making them the common receptacle without diminishing their wages, and who by their prosecution in terms of decided approval; consider for every useless rubbish, (which must be removed to some place,) will, in time, fill them up. While owner. The facts also suggest the advantage of not the unly one that could be adopted; and think these slow, but certain processes are in operation, applying the they will set an excellent example to the farmers in marketing should be a distinct occupation.

Charleston, Jan. 8, 1827.

JOS. TUFTS. the neighbourhood; who but too generally, for the want of a little labour and attention, suffer these very unseemly nuisances to perpetuate their neglect.

For the preposterous and very injurious practice of levelling the heights and hollows in fields, we are indebted to England. There proper machines have been constructed to execute this ruinous business with despatch. With these the soil is removed from the heights and emptied into the hollows; which are already enriched by the washings from the heights. By this inconsiderate practice the soil is doubled in the hollows; and the heights, unless the soil be deep, are reduced to sterility. It would be an excellent practice to spread more manure on the heights, and leave the levelling of the field to cultivation and time, which will certainly effect it. He must be a bad farmer, who cannot water furrow his grounds so as to keep the hollows sufficiently dry.

(To be continued.)

[From the New England Farmer.] PROFITABLE FARMING.

Mr. Richard Hildreth, of Sterling, having some business with me, in the course of conversation described to me the manner in which he manages his farms. His system is so simple, so successful, and Deduct, on hand April 1, 1817. by estimaso easy to be imitated, that the communication of it to the public will probably be beneficial as well as interesting.

His farm consists of sixty-five acres in the easterly part of Sterling, on the old road from Lancaster. The soil is good. From two and a half to three acres are annually planted with corn and potatoes. He raises about one hundred bushels of corn, at the rate of sixty bushels the acre. Of course the quantity of potatoes he raises must be small. He also

raises a small quantity of spring wheat.

He keeps eleven cows, and one yoke of oxen, besides swine, but no horse. He has no hired men, except in hay time. He paid the last season about thirty dollars for help. His mowing ground is about fourteen acres.

His butter is sold to marketers at his door. His calves are sold alive at his door. His whole time is therefore employed in cultivation. His skimmed milk is given to his swine.

The produce sold from this farm the past season has been as follows:-Total saving in using the straw cutter

Butter, .			\$300	00
Hay,			100	00
Pork, about			150	00
Calves, about			70	00
Amou	int.		\$620	00

He values his farm at \$2500, his stock at \$500; \$180 00 Wages paid in hay time, 30 00

19 00 Taxes, say,

\$229 00 From \$620 deduct 229, leaves \$391-or \$32 58

cents per month for his labour. He has a small ney for wood. The produce of the farm used in bis CHESAPEAKE AND DELAWARE CANAL.

domestic felicity, beautiful for its simplicity, and

HOTCHKISS'S STRAW CUTTER.

Mr. Benjamin Hale's account of the savings made by the use of Hotchkiss's Straw Cutter, employed to cut hay and straw as fodder for horses.

between Newburyport and Boston. He says, The whole amount of hay purchased

from April 1, to October 1, 1816, (six months,) and used at the stage stable, Tewt. q. lb

At twenty-five dollars per ton (the lowest price at which hay was purchased,

in 1816,) From October 1, 1816, to April 1, 1817, whole amount of hay and straw purchased for, and consumed by the same number of horses, viz.

T. cwt. q. lb. 16 13 3 10 Cost. \$160 23 Straw, 13 14 1 00 350 00 Hay,

\$510 23

tion, four tons more than there was October 1, 1816, at \$25 per ton, 100 Saving by the use of Hotchkiss's straw cutter, four months of the last six months, or the difference in expense in feeding with cut fodder and that which is uncut,

Whole amount of hay used for the horses of the Salem stage, twenty-five in number, from April 1, to October 1, T.cwt. q. tb. 1816, viz.

At \$80 per ton (the lowest price in Salem,)

Whole amount cunsumed by the same number of horses, from October 1, 1816, to April 1, 1817, *T. cwt q. lb.* Straw, 15 13 0 00 Cost.

\$187 80 Straw, 81 00 Hay, 2 15 0 00 Saving in using chopped fodder five months,

four months, At Salem, five months. Total,

nine months, viz. at Newburyport,

\$780 97 The member of the Board of Trustees of the Massachusetts Agricultural Society, to whom the above account was communicated by Mr. Hale, was informed by that gentleman, that he used no more grain from October, 1816, to April, 1817, than was used from April, 1810, to October, 1816.

[Mass. Agri Rep. & Jour. p. 400, vol. iv.

INTERNAL IMPROVEMENT.

So much interest is felt by all in this great pub-Here is exhibited a picture of independence and lick work, that there are few of our readers who will not be gratified to learn that the whole of the loan of \$200,000 asked for to prosecute it, was taken By not keeping a horse, he saves, probably, not on Tuesday as soon as the books were opened, a considerable sum beyond that amount being offered.

We have seen a letter written within a few days, these slow, but certain processes are in operation, applying the division of labour to farming. Perhaps that all material difficulties are overcome, and the prospect of completion within a reasonable period, absolutely certain. [Nat. Gaz.

THE CHESAPEAKE AND OHIO CANAL.

[It is well known that the accuracy of the estimate of the aggregate expense of this immense undertaking, formed by the Board of Internal Improvement, was questioned as soon as it was known; and at a Mr. Hale is proprietor of a line of stages running late meeting of delegates at Washington, from several states most immediately interested, a committee was appointed to investigate the subject. We have not now room to present an abstract, as we may hereafter do, of the facts and arguments 82 4 0 10 by which the committee arrive at and "report" the concusion: that the whole work may be accomplished for one third of the amount (\$22,000,000,) set \$800 00 down by the Board of Internal Improvement. To all impartial observers, however; it is gratifying to see, that whilst the COMMITTEE has disclaimed all impeacement of the motives of the BOARD, they have pad to their science and industry the tribute of their lecided acknowledgement. It is fortunate, too, in reference to the effect which must be produced upon the publick mind by the opinion of a Board so entirely disinterested, and so distinguished for talents, that in every instance they have given as the ground of their opinion, the most minute and circumstantal data; thus affording themselves the \$410 23 means of correcting any errors of calculation as to cost of materials and labour. After all, perhaps the most general presumption will be, that the truth lies between the two estimates; and many who reflect upon the difficulty of anticipating all \$389 77 the incidental expenses of even the smallest undertaking, will agree with a member of the Board, who is said to have remarked to a prominent promoter of the Cana in question,-"Sir, your mini-22 00 0 00 mum is a good thingwith which to begin a canal; and when you are fairly embarked in the work, if you \$660 00 meet with unexpected difficulties, you can have recourse to our maximily, and come out upon that."

From the mass of acts and able reasoning, and the many tables that accompany the proceedings of the Ohio and Chesapeale Canal Convention, now published in pamphlet form, and for a copy where-of we are indebted to the Hon. C. F. Mercer, the constant, indefatigable and efficient advocate of the work, we select the following, having no room

for more at present:)

140, 40	- THE STATE OF THE	O.L.	C.1	** * ->				ar ar annie			COLUMN TO SERVICE
5	ic yard of mortar,	Brick work—For cubic yard 638 bricks for walls, . 8 36 For same, Same do. for arches, 10 38 For same,	1 00 For same {	Do, not less than 3 of a cubic yd. nor more than 1 yd., per perch 25 00 For same,	feet content, per perch,		r perch.	Brick per thousand, delivered, 6 27 (Few required on the	Hydraulic or water cement line, 60 cents per do. at Pittsburg. 2 1 30 At Pittsburg, now delifier transportation, 70 per ditto,	ment.	www. Cac Cac Cac cac at time. The All wilded dumm. Wilded dumm. Wilded dumm. Wilded dumm. Wilded dumm. Cac cac cac at time. The time. Th
vania Canal for \$400, 90 feet long. 16 feet wide, and 41 deep; add \$100 per foot to increase their size to that of the Chesapeake and Ohio Canal, viz: 102 ft. long, 16 wide, and 5 deep. 1500 00 per foot,	For same, (Western district.)		Western district, 50 cts. / Eastern do. 62½ \$			3 00 On do. do. 872 do. 1.123 do	\$1.623—Eastern, 1.873—average	(Few required on the Eastern and Western sections,)	1 30 At Pittsburg, now delivered of the best quality, from Beaver, (supply inexhaustible,) 12 cents; transportation on Western sec-	Prices adopted by the Committee.	pogration of the policy of the
500 00 per foot,	or.	4 874 do do 638 do.	0 564 per day,	8 50 do. do	4 75 do. do	1 00 do	0 75 per perch,	4 00 per thousand,		50 18 Per bushel,	
1000 00	18 49	5 51	0 433	16 50	7 71	2 00	1 79 8 62 <u>*</u>	2007		\$0.80	h si si

EXCAVATION.

By comparing the estimated cost of excavation ith the prices paid for similar work on the Ohio anal, and Western section of the Pennsylvania anal, it appears that the estimate of the Board is, enerally, in reference to the various species of exevation, more than double, and frequently three mes the amount there paid.

LADIES' DEPARTMENT.

ne following letter is said to be from the pen of one of

DVICE FROM A FATHER TO HIS ONLY DAUGHTER.

Written immediately after her marriage.

My Dem - You have just entered into that state luch is replete with happiness or misery. The issue epends upon that prudent, amiable, uniform conuct, which wisdom and virtue so strongly recomended, on the one hand, or on that imprudence hich a want of reflection or passion may prompt, the other.

omestic happiness; it cannot be marred, if you now ath from which you will resolve never to deviate. With respect to your servants, teach our conduct is often the result of whim or caprice, iten such as will give us many a pang, unless we ee beforehand, what is always the most praisewor-

ny, and the most essential to happiness.

The first maxim which you should impress deepupon your mind, is never to attempt to control our husband by opposition, by displeasure, or any ther mark of anger. A man of sense, of prudence, warm feelings, cannot, and will not, hear an oposition of any kind, which is attended with an anry look or expression. The current of his affecons is suddenly stopped; his attachment is weakned; he begins to feel a mortification, the most e assured, the wife who once excites those sentietained. When he marries her, if he be a good uch confidence in him, as to believe that his prulence is his best guide. Little things, what in realio be a subject of dispute; yield them with pleasure, ther animate or inanimate, with a smile of affection. Be assured that one difwith a smile of affection. Be assured that one diference outweighs them all a thousand, or ten thou-friends, is essential to that harmony, which should ess. She created her own misery, and then utters ment. dle and silly complaints, but otters them in vain.-

more reason to admire her for those excellent qualities, which will cast a lustre over a virtuous woman, when her personal attractions are no more.

Has your husband staid out longer than you expected? When he returns receive him as the partner of your heart. Has he disappointed you in something you expected, whether of ornament, or furniture, or of any conveniency? Never evince dis-content; receive his apology with cheerfulness.— Does, he, when you are house keeper, invite company without informing you of it, or bring home with bim a friend? Whatever may be your repast, however scanty it may be, however impossible it the best and greatest men that Virginia has produced. may be to add to it, receive them with a pleasing countenance, adorn your table with cheerfulness, give to your husband and to your company a hearty welcome; it will more than compensate for every other deficiency; it will evince love for your husband, good sense in yourself, and that politeness of manners, which acts as the most powerful charm; it will give to the plainest fare a zest superior to all that luxury can boast. Never be discontented on any occasion of this nature,

In the next place, as your husband's success in his profession will depend upon his popularity, and You are allied to a man of honour, of talents, and as the manners of a wife have no little influence in an open generous disposition. You have there-extending or lessening the respect and esteem of re, in your power, all the essential ingredients of others for her husband, you should take care to be affable and polite to the poorest as well as to the effect upon that system of conduct which you ought richest. A reserved haughtiness is a sure indication

> With respect to your servants, teach them to respect and love you, while you expect from them a reasonable discharge of their respective duties.— Never tease yourself, or them by scolding; it has no other effect than to render them discontented and impertinent. Admonish them with a calm firmness.

Cultivate your mind by the perusal of those books which instruct while they amuse. Do not devote much of your time to novels; there are a few which may be useful in improving and in giving a higher tone to our moral sensibility; but they tend to vitiate the taste, and to produce a disrelish for substantial intellectual food. Most plays are of the same cast; they are not friendly to the delicacy oungent; he is belittled even in his own eyes; and which is one of the ornaments of the female char acter. History, Geography, Poetry, Moral Essays, nents in the breast of a husband, will never regain Biography, Travels, Sermons, and other well writhe high ground which she might and ought to have ten religious productions, will not fail to enlarge your understanding, to render you a more agreeable man, he expects from her smiles, not frowns; he ex- companion, and to exalt your virtue. A woman deeets to find in her one who is not to control him- void of rational ideas of religion, has no security for ot to take from him the freedom of acting as his her virtue; it is sacrificed to her passions, whose wn judgment shall direct; but one who will place voice, not that of God, is her only governing principle. Besides, in those hours of calamity to which families must be exposed, where will she find support, if it be not in her just reflections upon that all ickerings, and even quarrels. Never permit them ruling Providence which governs the universe, whe-

and times. A difference with your husband ought never be once broken or interrupted. How imporbe considered as the greatest calamity—as one tant then is it between man and wife!—The more hat is to be most studiously guarded against; it is warm the attachment, the less will either party bear demon which most never be permitted to enter to be slighted, or treated with the smallest degree of habitation where all should be peace, unimpaired rudeness or inattention. This politeness, then, if it onfidence, and heart felt affection. Besides, what be not in itself a virtue, is at least the means of givcan a woman gain by her opposition or her differ ing to real goodness a new lustre; it is the means of nces? Nothing. But she loses every thing; she preventing discontent, and even quarrels; it is the oses her husband's respect for her virtues, she loses oil of intercourse, it removes asperities, and gives to is love, and with that, all prospect of foture happi- every thing a smooth, an even, and a pleasing move-

I will only add, that matrimonial happiness does The love of a husband can be retained, only by the not depend upon wealth; no, it is not to be found in nigh opinion which he entertains of his wife's good-wealth, but in minds properly tempered and united ess of heart, of her amiable disposition of the to our respective situations. Competency is necesweetness of her temper, of her prudence, and of sary; all beyond that point, is ideal. Do not supner devotion to him. Let nothing, upon any occa-pose, however, that I would not advise your hus-ion, ever lessen that opinion. On the contrary, it band to augment his property by all honest and comhould augment every day: he should have much mendable means. I would wish to see him actively

a fortune, by honourable means, and particularly by as the weather had been extremely wet and hazy, a fortune, by nonourable means, and particular up to the hour appointed for starting, when the sun satisfaction, in self-applause, as well as from the in came out unusually bright and warm for the season, satisfaction, in self-applause, as well as from the increasing estimation in which he is held by those and created a very unpleasant and heated atmosaround him.

let prudence and wise economy prevail. Let neatand never unjustly treated.

SPORTING OLIO.

DUCK SHOOTING.

J. S. SKINNER, Esq.

Sir,-In No. 42 of the present volume, p. 334, is a piece signed "A Sportsman," and taken from the Elkton Press, respecting the tolcing of ducks. The mode is minutely and correctly described, and the writer has fallen into one error only. He speaks of toleing ducks by dogs as a mode practised on the Susquehanna, and confined to that river. In this particular he is mistaken; that mode of toleing is very old, and is known and used on almost every river and inlet in Maryland, with the same success Mi and in the same manner mentioned by "A Sportsmao."

To account for this phenomenon might prove difficult. It is sufficient for us as sportsmen to know the fact is so; and I can communicate two other modes not so generally known. Let the gunner have a small blind on the shore, at some distance from the one built in the water, with a hole or aperture sufficiently large to thrust the arm through, while the body is concealed. Let the person behind the small blind, gently wave in his hand from right to left, and left to right, a red silk handkerchief, suffering it to rest but a moment on the ground. The hole should be about two feet from the earth. The gunner in the other blind will discover the ducks advancing to the shore, and when at a proper distance he may shoot them. The other mode is practised at night. If a person with his ramrod, or a small stick, will make a slight noise in the water near the shore, he will find the ducks approaching the shore. A negro boy will answer for either mode, and the best way is to conceal him in a blind at some distance from that where the sportsman is posted, and most frequently on the shore, if the advanced blind be not too far JAMES BOYLE. in the water.

(From a Charleston paper.) MATCH AGAINST TIME.

Mr. Editor-1 send you the following for publication, as the result of a Match against Time, as cleverly performed as any hitherto reported, either in the sporting annals of the old country, or of our

It may be proper to remark for the information of your distant readers, that the agreement entered into between the parties, was, that the horse should travel either in a sulky, or under the saddle, fifty times round the Washington Race Ground, a distance of fifty miles in five successive hours. The horse won the match, as will be found below; and as an evidence of how little he was affected by it, on coming out through the fiftieth mile, he ran away, and was with great difficulty stopped, after running on

engaged in such a pursuit, because engagement, full speed a distance of at least three miles more, a sedulous employment, in obtaining some laudable over a very heavy road. The match was decided, end, is essential to happiness. In the attainment of too, under the most disadvantageous circumstances, phere. In fact, the horse was completely steamed In the management of your domestic concerns, throughout the whole of his arduous undertaking.

I have seen, Mr. Editor, matches of all kinds deness, order, judgment, be seen in all your different cided in England, where every thing that experidepartments. Unite liberality with a just frugality; ence in jockeyship could suggest, was put in requialways reserve something for the hand of charity; sition to insure success, but I must do the gentle-and never let your door be closed to the voice of man who drove in the present instance, the justice suffering humanity. Your servants, in particular, to say, that I never before witnessed so much judgwill have the strongest claim upon your charity; let ment and so much dexterity displayed by any indithem be well fed, well clothed, nursed in sickness, vidual similarly situated. It was owing altogether to his manner of driving and humouring his horse, that he was enabled to travel with so much ease to himself and satisfaction to every beholder

I am induced, as you will find, to be particular in Snswer to Veritas in the last American Farmermy report of this match, from a conviction that, although it was performed in the suburbs of our city, or as some on the other side of the Atlantic will say in the wilds of America, it will not fail, however, to gain admittance into the columns of every European magazine that is conducted as it should be—with ing the objects of the

Time kept by a Patent Lever and Chronometer. Started at 11 o'clock, Jan. 9, 1827.

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2	5	22	4		39		1
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5	5	41	4	28	16	Walked 14 do.
6	5	24	4	33	40	
7	6	39	4	40	19	Halted 15 do.
8	6	30	4	10	40.5	
9	6	1	4	52	50	Cantered part of the 3 last miles.
50	Δ	58	1	57	40	the 3 last miles.

Won the match, having 2 minutes and 12 seconds to spare.

The gentleman who drove the horse was Mr. John Randolph. The account would have been yet more satisfactory, if it had given the age, colour, name, pedigree and size of the horse, with a description of the vehicle in which he was driven. We have no doubt he was deep in the blood.]

MISCELLANEOUS.

WOOLLEN MANUFACTURES.

from the National Intelligencer.]

Audi alteram partem.

To THE EDITORS.

Veritas, in your paper of yesterday, gave an es-timate of the charges upon the importation of broadcandour enough to give every section of the world cloths, and thence asserted, (and doubtless to ineredit for every thing it contributes towards furthering the objects of the

TURF.

the had in hand,) "that the American manufacturering the result of the true in the subject of th of woollen goods has a real advantage over the English, of 65 per cent. and still is discontented and clamorous." Now, I will show you that, instead of 65 per cent. he has no advantage—that the advantage is against him.

Veritas has taken an invoice of broadcloths, and added to it the exchange, commissions, freight, &c. with the ad valorem duty of 33; per cent., amounting, according to his estimate, to 65 per cent., and this, he says, is the measure of the reat advantage which the American manufacturer has over the English manufacturer. Admitting, for the present purpose, that Veritas is right as far as he goes, although his estimate is too high, yet it is ohvious that nothing can be deduced from it, because his view is partial. He has taken into his account the facts only in relation to one side of the case. Look at the other.

The English manufacturer pays but a penny a pound duty upon the raw material. The American manufacturer pays 30 per cent. The English manufacturer pays, with exchange from 8 to 12 per cent. in his favour; the American, with exchange from 8 to 12 per cent. against him. And, as Veritas has added, freight, commissions, &c. to the ad valorem duty on cloth, add for the same for the duty on woul, which the American manufacturer pays beyond what, in like case, the English manufacturer pays. The wool constitutes about one-half the value of common, and two-thirds the value of fine, cloths; and it will be a low estimate, in the partieulars thus far stated, to say that the English manufacturer has an advantage of 30 per cent.

Labour in England is a third cheaper than in the United States. Other things being equal, this of itself gives to the English manufacturer an advantage of 331 per cent., to say nothing of the immense advantage resulting from experience, skill, and capital, and the undisturbed possession of his own market, and the benefit of ours for his redundant or other products, available at his pleasure. The English manufacturer makes his cloth with the certainty of the British market throughout the British dominions, to the exclusion of every competitor. The duties as now graduated amount to this. The safety of the British empire demands it. But the American manulacturer makes his cloth without the certainty of

Thus far, then, the British manufacturer has an aggregate advantage of 633 per cent. Add to this,

what more properly ought to have been deducted livered, he began to inquire about hisfrom the duties paid by the importing merchant the notorious evasions of the customs, and it will be found that the invoice of British goods which Veritas has given, comes into the market of the United States, with, to us, ruinous advantages over the American manufacturer. How, then, could Veritas say that he has a clear advantage of 65 per cent. over the English manufacturer, and add to his assertion the reproach that followed?

A. B.

Deaths in the City of Washington, in the years (with the supposed population of each year.) from 1820. Years 1820 1821 1822 1823 1824 1825 1826 Deaths, 327 355 296 356 290 225 283 Sup'd 13,474 14,031 14,746 15,183 15,493 16,016 16,677

The City, as well as the District at large, suffers much from the want of a code of laws, applicable to the whole; for it is now almost impossible for any citizen to say what is the law of the place. Another evil under which they labour, arises from the introduction of non-resident slaves, who are brought bere for sale or hire, great numbers of whom are hired by individuals by the year, re-bired by the month or day, and many of them employed on the publick works, to the great injury of the free labourers, who have families to support, and feel an interest in the wellare of the place, besides adding to its character and physical strength, in the hour of danger.

CANNON.

In 1545, it was remarked, as extraordinary, that the French and English fleets had fired not less than three hundred cannon shot, in an engagement of two hours! It is therefore evident, that few cannon were carried by any one ship; and indeed, we believe, that originally the number was only two, placed in a castle in the forepart of the shipwhence the name of "forecastle" is still retained, though the guns are removed. These guns were also of small dimensions; and probably, at first fixed, to prevent their recoil, as we know they were on land. When the accidents to which their aim was liable, in consequence of the motion of the ship, &c. are considered, we may safely infer that the slaughter they produced could not be great. The ordnance was afterwards augmented in number, by the admission of pieces of various descriptions and calibres, which stood without assortment on the same deck.

EDITORIAL CORRESPONDENCE.

Extract from a letter of an American-dated Paris, Nov. 1326.

My last letter mentioned that I contemplated a visit to Gen Lafayette, at the ancient chateau of La Grange. A few days since Mr. -- and myself set off for the purpose of accomplishing this, which has proved to be the most deeply interesting most interesting and agreeable evening, I retired to I never cease to dwell with the greatest pleasure. visit that I have made, and one which shall not my room, it was long before I could close my ey soon be effaced from my remembrance. The distance from Paris is 33 miles, and we went in a dilijust been, and dwelling upon him whose hospitality tance from Paris is 33 miles, and we went in a dili-gence to Rosoy, and thence in a small voiture to La Grange, where we arrived in the evening. Driv-was actually at La Grange, the abode of the noble ing through the ancient arched gateway into the minded the excellent Lalayette; the mansion of him court yard, we alighted and were immediately ush-whom we had so recently seen on the other side ered up stairs, where we met Mr. G. W. Lafayette of the ocean, receiving a joyous welcome to the in the anti-room, who conducted us into the draw "hearts and the homes" of a grateful nation. ing room, where sat his father with several gentle-

had been married since he left us. After having conversed with the General for some time, Mr. G. W. former, who were assembled there, amounting to assigned it. quite a large party, although the greater proportion The General advancing to meet me, took me round ed Benjamin Constant, one of the first literary and the grounds in the vicinity of the chateau, notwithfriend of the General; Levasseur, his companion which, however, the ladies of France do not much during his tour in the United States, together with dread. On returning to the house, the General several others.

Gen. Lafayette's family while at La Grange, consists of his son, G W. L. and his lady, the Comtesse around him to hold a consultation on the subject; Lasteyrie and Madame Latourbourg, his daughters; and it was really an interesting spectacle, to behold nine granddaughters, one of whom is married, and one who had been a chief actor in so many trying two or three grandsons very young-the Comte scenes, thus kindly consulting the taste and the

and at the table were seated twelve ladies and ten trivial a nature. gentlemen, besides half a dozen of the younger After a very pleasant time spent at the table, we returned to the drawing room, and the evening passed away in a most agreeable manner in conversation with the General and the young ladies. There are six of the granddaughters who are grown up, They speak all of whom are very agreeable.

men. Upon entering, we soon recognized the be- on returning from which to the drawing room, our flections; but to what end shall we, by expressing

- friends; |ful spectacle, indeed, to an American, to see the flag manifesting the greatest interest for them, and the of his country graced thus with an honoured stamost minute recollection of every thing concerning tion in a foreign land, and in the abode of one of them. He inquired most particularly about the young its earliest and bravest defenders. This was preladies of his acquaintance, and wished to know who sented to General Lafayette by the officers of the Brandywine upon his leaving the frigate at Havre, accompanied with a request that it might be dis-Lafayette shewed us to our room; and on returning played upon the anniversaries of Washington's hirth to the drawing room. I was much surprised at the day and the Declaration of Independence-which number of ladies and gentlemen, particularly of the he has more than complied with from the situation

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Around the walls of the sitting room are hung of them were members of the family of Lafayette, the portraits of all the Presidents of the U. States.

We were invited to go out to shoot with some and introduced me to most of them; and among the of the gentlemen, but declined, preferring a walk company were three American ladies, the celebrat- with the young ladies, who accompanied us around political characters of France, and a particular standing the wet and unpleasant state of the paths, went out to plan some improvements in his grounds, but not without first calling his granddaughters Lasteyrie is also there, but he has long been very ill, wishes of his amiable descendants as they gathered Dinner being soon announced we all went down, around him, upon a subject of comparatively so

In the course of the day we walked out to obtain members of the family at a side table. Such is the a view of the front of the chateau, which we had but pristine hospitality of La Grange, and it recalls the imperfectly seen the evening before, and which is memory of patriarchal times to see the venerable the finest part of it. On each side of the arched patriot, in the evening of his days, thus surrounded gateway before mentioned, is a large round buildby his descendants, all of whom manifest towards ing in turretted form, surmounted by cupolas, the him the most respectful and affectionate attention, whole most richly and beautifully covered with luxuriant ivy clinging to the grey walls of this time honoured edifice, and finely contrasting its deep green with their venerable hue. The chateau of La Grange is the ancestral residence of General La-

fayette, and is 900 years old

At dinner as large a party assembled as on the English, more or less; hut I could not persuade any preceding day, and the time passed very pleasantof them to converse with me in that language, when they found I understood French—and this is their took leave of this interesting family, intending to invariable practice. They are all very much attached to our country, and express a great desire wished us to remain longer, but finding we were resolved to go, he promised to send us to Rosoy in I had much conversation with our venerable host, his own carriage, and to rise in the morning to see during which I often found my attention wandering us off We remonstrated against this, but he said from the subject on which he spoke to the character of the speaker himself, and the many admirable we found Mr. G. W. L. waiting for us below, some passages of his eventful life; to his early and gene coffee prepared for us, and the carriage at the door. rous self-devotion to the cause of our country when Our venerable host, early as it was, soon came struggling in her infancy, almost hopelessly, for in- down to see us, and after a short conversation we dependence; to his firm, his fearless and consistent bade them farewell, and stepping into the carriage, department throughout that dreadful revolution departed from the hospitable mansion of La Grange, which deluged his native land with blood, when his perhaps never again to experience the kindness of adherence to principle lost him his popularity and its most estimable proprietor, and his most amiaendangered his life; and, finally, to his recent visit to able and interesting family. Thus terminated a the United States, and his long continued triumphal visit, in every respect truly delightful and interestprogress through the land for whose liberty he so ing; one which will ever be most deeply engraven gallantly fought in his youth. And when, after a on my memory; one, upon the recollection of which,

THE FARMER.

BALTIMORE, FRIDAY, JANUARY 26, 1827.

THE PROSPECTS OF MARYLAND.

The actual condition and prospects of our native In the morning, we all re-assembled at breakfast; state are subjects that often excite melancholy renignant features upon which we had so often dwelt attention was called to the "star-spangled banner," them, give rise to unpleasant emotions in the minds the General immediately arose, and advancing with the adjoining apartment above the portraits of may be in this, as in the case of prevailing and deskindest manner. After reading the letter which I describes their symptoms, and kindest manner. After reading the letter which I de- gracefully thrown over the former. It was a grate- happens that he who describes their symptoms, and

proclaims their effects, though he know not how to those whom we so much regard. The surgeon uses treat them; still renders an important publick ser- his probe, not to inflict pain, but to cure the wound drawing forth efficient advice and saving prescription, from those whose greater experience enables sources of actual depreciation, and by specifying the them to point out the latent cause of the disorder, appropriate remedy. Does it result from the subdivi-and to designate the means of prevention or cure, sion of estates; the existence of slavery, and the more The case of Maryland is, we apprehend, not alone; her depressed and deteriorating condition is, we fear, hour; from the desertion of their native abodes hy all common to all her southern and western sisters, the most enterprising young men, the elite of the Are we asked for the proof of the declining pros-country to seek richer soils in newer countries, or peets of the farming interest? We answer, heaven more pleasure with less labour in a city life; or is this grant that we may be mistaken! but let every man last specification an effect rather than a cause?—of look around him; let his memory, if it can, run one thing he who runs may read; it requires no Soback for twenty or thirty years, taking, each one the erates nor Solon to tell us that, as when a people becircle of his own county; did it not then abound in come poor and ignorant, corruption and slavery are well bred gentlemen farmers, living in good dwellings well supplied; their families genteelly elad and be done, and done speedily and effectually, to educate well educated; their churches in good repair and the muss of the rising generation. The power to do well attended; the intercourse of neighbouring famithis resides in the legislature of the states. Let lies social and frequent, and their manners and amusements comparatively refined and clegant? Was there use it whilst yet there is amongst the people discernment and good sense enough to support them there not every where an air of thriving prosperity, in the measure. The various features of this unaccompanied by all the evidences of good intellectual cultivation and rational enjoyments? What is now the state of the country? Does any one build substantial dwellings on a scale, and with conveniencies for the genteel accommodation and haspitable of fluttering in this market, for a few hours. The entertainment of friends? Do we see through the holders of flour asked the first day \$1 per barrel adcountry successive plantations of young orchards to vance; the next day it fell, to 50 cents advance supply the place of those whose ruins only serve as that is \$5.50 for wharf flour, at which it slicks. It perishing monuments of better management and had not, as we have understood, any sensible effect better times? Have not truck patches with worm on tobacco and cotton. The importance of recent fences, and cabbages, and potatoes, taken the place movements abroad will be settled, probably, by the of all the old fruitful paled gardens, neatly laid out next arrival. The Spaniards will succumb and dis-and planted with jessamine, and tulips, and roses, avow their agency in the movements of the Portuand pinks, and heartsease? Such were the signs of guese insurgents, and the port of defiance assumed comfort, and such the seats that some of us can just by England will have deterred other powers from remember, as

"The beautiful epitome Of all that useful is and rare, Where comfort sat with smiling air And laughing hospitality."

rative affluence; enjoying leisure for mental im-gained in the cause and the progress of freedom. provement, and a taste for social pleasures. They At all events, as respects our interest, we may calcould well afford, in union with three or four of their culate that England will maintain in Portugal an neighbours, to employ a good elassical teacher for army of observation; which, of itself, will have a their children; whilst not a few had the means of tendency to promote improvement in the price of sending their sons to some convenient college; de our bread stuffs. For ourselves, we will not imilighted and happy in the well founded hope of sectate certain affected philanthropists so far, as to preing them rise to stations of publick usefulness and tend that we do not wish for war-bella, horrida fame; but how many planters or farmers can now bella-a long and obstinate war of maneuvres, spare for a purpose so dear to every parent's heart, without bloodshed-leaving all alive to eat their ru-\$600, or even half of it, from their money income, tions, without settling the dispute; though we have

greatest happiness would be to find that it is not perhaps in nineteen days! Better prices, say we, to warranted by the actual condition of that class of the American Farmer, let what may happen. worthy and honourable citizens, whose interests will never cease to be the subject of our most earnest solicitude. Whether it be the natural tendency of some part of our political machinery to accelerate the march of poverty, and, as a consequence, to beget ignorance and crime, or whether the increase of these deplorable evils amongst ourselves be the inevitable result of the present general state and with a composition of shell, or small stones, lime and relations of the world—whether it be within the sand, by Gen. Alex Macomb—Ale and Porter preserver scope and power of domestic legislation, to arrest questions which imperiously demand the consideration of the philanthropist and the lawgiver. That poverty is progressive, and licentionsness increasing in our country, cannot be denied. When reckless necessities stimulate ignorance, viens spring up in soci-

The late news from England produced a sort giving her countenance and support; or, Spain, assured of support from others, will take up the glove, and a general war will ensue-a war of principleof representative monarchy against absolute or le-gitimate despotism; and being a war of opinion Formerly there were very many farmers and without any particular aggression or geographical planters in every county in the state, who could boundary in dispute, it will be of wide extent and maintain their families in a style of at least compa- of long duration. God grant that one step may be to send their sons from home?

Need we say that we contemplate with sorrow our senators, by Mr. Gallatin, of long headed re the sombre picture we have drawn, and that our pute, that the affair will blow over, if not in nine,

> 37-A correspondent at St. Augustine, Florida, under date 3d January, inst., postscribes-"with hands almost frozen."

CONTENTS OF THIS NUMBER.

Tapia, or the art of constructing edifices and walls -Sarah Birkett-Remarks on Gentleman Farming, by their progress and to mitigate their effects, are Lorain, continued-Profitable Farming in New England -Hotchkiss' Straw Cutter-Chesapeake and Delaware Canal-Ches and Ohio Canal-Advice from a Father to his only Daughter—Duck Shooting—Match against Time, near Charleston, S. C.—On Wootlen Manufactures, in answer to Veritas—Deaths in Washington—Cannon—Extract from a letter of an American in ety as spontaneously as the rankest weeds from un-France, giving in account of his visit to Lafayette at clean soil. Far he it from us to offend or disparage La Grange—Editorial, Prospects of Maryland, &c.

PRICES CURRENT.									
ARTICLES.	per.	from	ESALE.	from	AIL.				
BEEF, Baltimore Prime,	bbl.	8 50	9 00	Trom	-10				
BACON, and Hams, :	lb.	6	10	9	12				
BEES-WAX, Am. yellow COFFEE, Java,	_	29 16	16±	20	50 22				
Havana,	-	14	16		20				
COTTON, Louisiana, &c. Georgia Upland,	_	11 10	14 11 <u>1</u>						
		28	1.9						
COTTON YARN, No. 10, An advance of 1 cent									
each number to No. 18. CANDLES, Mould,	=	13	16	16	18				
Dipt,	-	12 81	13½ 12	12	16				
CHEESE, FEATHERS, Live,		30	32	37	15				
FISH, Herrings, Sus.	bbl.								
Shad, trimmed, FLAXSEED,	bush	5 50							
FLOUR, Superfine, city,		5 50							
Fine,		5 25	5 50		none				
GUNPOWDER, Balti.	25 lb			5 50	none				
GRAIN, ind. corn, yellow white	hush	58 58			28				
Wheat, Family Flour,	_	1 05	1 10) min				
do. Lawler, & Red, new	-	1 00			nat.				
do. Red, Susque Rye,		75	SO		,				
Barley, Eastern	-	1 12½ 90							
Do. country Clover Seed, Red	bush	1	1 -	5 50	1				
Ruta Baga Seed,	lb.	87	1	1 00					
Orehard Grass Seed, Mangel Wurtzel Seed,	bush	$\begin{vmatrix} 3 & 50 \\ 1 & 25 \end{vmatrix}$		1 50	none				
Timothy Seed,	' -	4 00		5 00	1				
Oats,	-) 25	1	2 00	i .				
HEMP, Russia, clean,	ton	250	260						
Do. Country HOPS, 1st sort, (1826)	12	120	200	-25					
HOPS, 1st sort, (1826)	lb.	1 9	9 10	12					
LEAD, Pig	16	. 63							
Bar LEATHER, Soal, best,		2							
MOLASSES, sugar-house	gal	. 30	50		75				
Havana, 1st qual NAtLS, 6a20d	lb.	0		371					
NAVAL STORES, Tar,		. 1 50	1 62						
Pitch,		1 78							
OIL, Whale, common, .	gal	. 33	3 3-						
Spermaceti, winter .	- h.h.	11 50	$0^{1}12 00$		3				
PORL Baltimore Mess do Prime,	, bb.	0.00							
PLASTER, cargo price,	ior	1 - 21							
RICE, fresh,	bb			2 5	5				
SOAP, Baltimore White	lb.	1.	2 1	1 18	3 20				
Brown and yellow WHISKEY, 1st proof, .	', —	3		3 10	12 50				
I PEACH BHANDY, 4th p	1	7.	5 1 00	1 23	5				
APP' E BRANDY, 1st p SUGARS, Havana White	r		1 39 0 13	2 50 t•t	15				
do. Brown,		10 0	0 10 5) ¹					
Louisiana,	-	8 0			11 22				
SPICES, Cloves,	lb —	71	0	1 00	0				
Ginger, Ground,	-	1	7 1:	2 1:					
SALT, St. Ubes,	bus	-1 -		73	5				
Liverpool ground	-	. 5	- 1	7,					
SHOT, Balt. all sizes, . WINES, Madeira, L. P.	cll gal			0 3 5					
do. Sicily,	-	1 1	0 1 !	5 1 5					
Port first quality	gal	1 0	5 1 1 8						
WOOL, Merino, full bl'		. 3	0 3	5) 4:	ish2con				
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Skinners' or Pulled,					ck & free m tags.				
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SKINNER, Editor, by John D. Toy, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

INTERNAL IMPROVEMENT.

THE OHIO AND CHESAPEAKE CANAL.

[There is so large a proportion of the readers of this journal, beyond the districts immediately interested in the construction of the Ohio and Chesapeake giving too much space to the extracts from the Report of the Board of Engineers; but when they shall or the progressive amelioration of the state of ser- When these national interests are satisfied, the have read them, and especially that one which we vitude where it does exist, in restoring to man his principal object for which the work is undertaken now give, under the head of "GENERAL CONSIDERA dignity and his liberty of action, have attached to is accomplished; and the fiscal advantage derived Tions," if they do not thank, we are sure they will not this labour a value which is identified with his moral from the canal, and which would be an essential consure us. These general considerations are obtained physical existence. Economy has, therefore, point to a company, becomes, in this case, of mereall attempts to calculate the value of every project in due proportion with the useful results obtained, accomplishment of the great work before us; and and attempt to date the state of the exposition appears. These conditions being fulfilled, such monuments to us to be remarkably lucid and able, and the region place of national pride; and composition to us to be remarkably lucid and able, and the region place of national pride; and composition the secondary object, that is to say, the probable revenue of the sults, as to the effects of this new and great outlet; bined with the civil and political institutions, the to the ocean, from the immensely fertile and exten- arts and sciences, literature, and naval and military Before submitting our computations on this head, sive regions of the west, seem to have been adopt- achievements, form an union of glory around which we should premise, that we will steadily follow the ed with great caution. Whilst, as mere executive the sympathies of the country are rallied, are plan we have adopted in the former part of this reofficers, acting under specific instructions, the Board strengthened, and are continued. Thus we per-port, namely, to avoid as much as in our power have very properly avoided any question as to the ceive all the enlightened governments of the present falling into any exaggeration in favour of the work, constitutionality of this measure, under the granted time to favour such undertakings: they well know and to take the greatest care to remain below even powers of the federal government; they have most that, in the age of illumination and of rapid ameli, the most probable chances. Nevertheless, if it be emphatically illustrated its expediency on the score oration in which we are placed, all that contributes found that we have sometimes failed in this, the of the general welfare, and its connection with the to the national glory, and promises certain and ma-fault is to be attributed to an error of judgment on common defence in a military po' t of view.

We will not pass the orcasi the conviction we ha . of the involunt acquisition made ! at , " "n ! seel west on BERN .. for its use, the t 'e-To have kno: mer his arrival has been amongst our great intellectual and social plea Whether in one field or the drawing room, ness, and continue to regard him, without his being The extent of the first, however great, becomes conscious of it as "a lamp to their feet." The entirely indifferent, when, on the other hand, the maps and char's which have been issued along with resources of the nation are equal to its attainment. the various Reports from the corps of Engineers, services rendered by the Engineer Department, untraced through trackless forests—and the people are of being estimated by the standard of money. taught how the torrents of hitherto inaccessible the luxuries of every clime.]

GENERAL CONSIDERATIONS.

ble degree of improvement.

ent branches of industry, the abolition of slavery, where they are deficient. thout expressing clous execution. For the Union, such is the Chestentions. aneake and Ohio Canal.

s great undertaking has no equal in any counges which will result from its execution. It is a will prove a favourable outlet to the Atlantic. at the levee or the social fireside, he is the same work truly national: and if, on the one hand, it is simple and unostentatious, but profound and liberal beyond the means, always limited, of private enman. Our country was just at that time of its terprize, so, on the other, it is too essential to the growth, and in that state of its affairs to require ta prosperity, the harmony, and the greatness of the lents like his; and though the wind that brought Union, for its execution to be deferred, without him may have been ill to him, it was good to us, neglecting advantages which will far exceed the We should not have said thus much had he not expense into which it will necessarily lead. It is have come a "stranger within our gates," from hav- not, in fact, because a work demands a large sum ing enjoyed the personal esteem and favours of the for its execution, that it is costly, but only when greatest military genius the world has ever known, the capital employed to create it is beyond all pro-It is to the honour of our officers, who were ne portion to the useful results to be obtained. It oessarily wanting in the experience which he unit-is, therefore, the relation between this capital and ed with science; that they received him with kind these results which is to be taken into consideration.

Considered under this point of view, the Chesado much hosour to the Topographical Bureau; and peake and Ohio Canal, notwithstanding the great we are persuaded, from some personal observation, first cost which it will require to receive such an that the country is not fully sensible of the labo- execution as is suitable to its object, may, with full rious, but scientific and important character of the and entire confidence, be considered as not expensive, in relation to the immense advantages, of skill, and built with the greatest economy-roads are sical advantages: that is to say, those susceptible census of 1820;

When a nation undertakes a work of great pub- Olno, mountains may be made to bear in gentleness and lick utility, such as that under consideration, the Indiana, safety, the products of industry the most interior, to revenue is not the essential object to take into conthe populous seats of external commerce-carrying sideration: its views are of a more elevated order: back in return the manufacture of every art and they are all, and, it may be said, exclusively, directed towards the great and general interests of the community. These interests are principally to bring into contact and relation, districts which are naturally separated, either by great distance, or by tion of the Union The public works of the moderns differ essential physical obstacles; to connect countries deprived of ly in their construction from those erected by the natural outlets, with those where these exist; to as directly interested in this undertaking. We will ancients: these bestowed much magnificence and create for the products of the soil and of industry, not take into account either the other counties of grandeur on their edifices. In former times, large a value which they do not possess, from the want, Pennsylvania, Maryland and Virginia, which will

powerful means of execution, that economy was tity of these products, by the facility of exchanging not an essential point to be consulted: for, to wage them with distant countries; to encourage, by these war and to erect public works, appear to have means, and enliven agriculture; to support and inbeen the chief occupations of the ancient nations, crease manufacturing establishments; to vary the among whom civilization had attained a considera- class of producers, and bring it near to the class of consumers; in fine, to augment both production The situation of the moderns is different: with and consumption, by the facility of transporting Canal, that we at first feared they might think we are them, the subdivision of labour among the differ-products from sections where they abound to those

viously written by a mathematical head, and are of become an essential object in the erection of mo-ly secondary importance for the nation. We will, great interest and importance to every reader; as numents consecrated to the publick prosperity, and therefore, in the first instance, endeavour to estithey explain so clearly the various interests to be besides the conditions of durability and expedience, mate the physical and national advantages which considered, and how they are to be considered, in it is also required that the efforts made should be it appears to us must result immediately from the

terial advantages should receive a prompt and judi- our part, and not to any want of candour in our in-

The districts the more particularly interested in the construction of the Chesapeake and Ohio Canal, er in relation to the works of every kind may be divided into two classes: 1st. The counties its construction will require, or to the im-situated immediately adjacent to the line of canal; e political, commercial, and military advan-2d. The western states to which this communication

Among the first are: Inhabitants. Nine counties of Pennsylvania, whose population, according to the census of 1820, amounted to 256,782 A population amounting to something more than one fourth of that of the state. Four counties of Maryland, 92,000 Composing something less than onefourth of the population of the state. Thirteen counties of Virginia, population amounting to 189,585 Something less than one-fitth of that of the state Total of these twenty-six counties, 538,367 This total is something more than one-

fifth of the whole population of the three states.

The District of Columbia, 33.039

Total. Among the western states to which the canal would afford a direct outlet to the Atlantic, we will der the superintendance of Gen. Macomb. By its every kind, which it offers. This position we will only take Kentucky, Olno and Indiana, whose resagency fortifications are planned with the utmost now attempt to demonstrate, beginning by its phy-pective population is as follows, according to the Inhabita ts.

Kentucky, 564.317 504 434 147,778 Total, 1.192.000 Which added to 571 406

Gives 1,864,335

Forming nearly one fitth of the popula

This population is the least that we can consider and unemployed populations, great masses reduced of a market, and from the too heavy expense of indirectly derive advantage from the canal, nor the to servitude, by war or conquest, afforded such transportation; to increase, progressively, the quan-state of litinois, nor the Michigan territory.

No. 46. - VOL. 8.

extent of territory of about fifteen millions of acres, brought into value by the opening of the canal. of which the greater part presents a rich limestone mines of coal and of iron. We estimate the mean commencement of its construction: for, while the by a single one of these articles, namely, coal.

Now, if we take into consideration the actual transportation by land between these two places state of depreciation of these lands, owing in part will diminish annually; and, particularly on the to the difficulty of transporting their products to an advantageous market, we cannot doubt but that the one tributary of the Potomac to the other, will of Baltimore, and the iron works in its vicinity, canal, in removing this obstacle, will give immedi- place the valley of this tributary in communication will extensively use it, we do not think that during ately to these lands an increase of value, a necessary result of the increase of value of the products. We will suppose it to be 20 per cent., which will will afford advantages which will indemnify, if not these counties and of the District, amounts to give, for the twenty six counties, \$12,000,000.

The three states above mentioned, offer an extent of 72,000,000 acres, of which the fertility is so great, that it will perhaps support, at a future day, a denser population than any other part of the plete results for which it is destined. It is only for habitant. Union. A recent assessment fixes \$2.49 per acre this period that the following calculations are made, as the mean value of land in the state of Ohio. We will take \$2 for that of the three states, which districts under consideration, may be divided into years \$6.300,000.

their territory, \$144,000,000.

As soon as the canal shall be in operation, every part of these states finding another economic outlet itself. to the acean, not only will the exportation of their products be facilitated in a high degree, but these will also receive an increase of value resulting from the creation of a new market, which will obviate to the seller the inconvenience of glutting that of New Orleans, and thus placing him at the mercy of the value, in which the lands must necessarily participate. We will suppose this increase of territorial value to be 12 per cent., which gives \$17.280,000.

In this increase of territorial value, we should include the District of Columbia, which, being at the termination of this important channel of trade, will the Potomac and land communications. It is cerbe peculiarly favoured. This District is at present assessed at only \$15.000,000, which shows how depreciation with the great advantages to result from its being the outlet of the canal, we adopt here fifty per cent. for the probable increase of its property, which will give \$7,500,000.

The summary of the augmentation of value of

oanal, will therefore be:

For the counties adjacent to the line of

the canal, For the states directly favoured by the canal.

For the District of Columbia,

7.500,000

\$36,780,000

Conclusion. At the moment of opening the navigation of the canal, the proprietors of real property will gain together a value equal to one and a three times the expense of construction of only the alone being \$7,141,005. Eastern and Western sections together, (which is \$12,000,000.)

We should here remark, that the Union owns, in the states of Ohio, Indiana and Illinois, and the Michigan territory, 59,998,000 acres of land, befirst at \$2, we have \$119,996,000; and, supposing only ten per cent. for the augmentation of value they will receive, we find the Union, as landholder, will

government in the District of Columbia.

The twenty-six above counties form together an obtained by the increase of products created, and value, so to express it, null, Their exportation, and

gives, for the mean value of 72,000,000 of acres of two classes: 1st. Those produced by agricultural

meal, rye, tobacco, hemp, flax, flaxseed, beef, pork, present time, as an object of exportation. bacon, tard, tallow whiskey, iron, glass, &c

plank, boards, state, marble, freestone. &c.

I'he annual amount of exportation of the articles offer in abundance, purchaser. These products, although the same in of the first class has been differently estimated at quantity, will therefore acquire an augmentation of different periods: 275,000 tons have been consider- the articles composing the second class alone, exluation of sixty dollars per ton, gives \$21,000,000. years \$720,000.

These exportations together comprise those made to New Orleans, and those made to the Atlantic by the articles thus enumerated, we have tain that the facility of transport offered by the For those of the 2d—Coal, canal wilt increase the amount of these exportamuch its property is depreciated. Combining this tions; that is to say, will cause an increase of pro-depreciation with the great advantages to result duction. In fact, if the Mississippi is the outlet of the states above enumerated, to the Gulf of Mexico, the Chesapeake and Ohio Canal will become their outlet to the Chesapeake. These states, thus having two water communications for the exportation The summary of the augmentation of value of their products, these last must annually increase and trade, which would not exist if the canal itself did fanded property, or the gain made by the owners of of their products, these last must annually increase not exist. This trade may be divided into two real estale, in consequence of the opening of the in quantity, and we should say in value also, as canal, will therefore be: geous market. What will be the annual augmen-factures. The proportion between the amount of \$12,000,000 tation of tuese products? Conjecture is all that we these two classes can only be fixed in a conjectural can here offer; and in assuming it at five per cent. manner; and we will adopt here, for the former, 17,280,000 we believe that we are far within the truth.

the value of products at the present time, if we explanticles of the first class only. Thus the third, of amine what it will be at the time of the canal's \$23,977,170, or \$7,992,390, will form another source amine what it will be at the time of the canal's going into operation, (and it will certainly increase with the population during the construction of the canal,) we find by calculation, that at the rate of 5 per cent. per annum, the sum of the successive half times the whole expense of the construction of augmentations during the six first years, will be the canal, (which is \$22,000,000,) and equal to \$23,977,170, the augmentation of the sixth year

This sum of \$23,977,170, representing the sum of the increase of products for six years, is a creation which belongs entirely to the canal, and which, without it, would not exist: it is about two millions above the expense of construction of the sides 18 946,000 acres not yet ceded: valuing the whole canal, and nearly the double of the expense of construction of the Eastern and Western sec tions together.

As regards the products of the second class, such gain about \$12,000,000 by the opening of the canal: as coal, lime, timber, &c their great weight, and the to which should be added the land owned by the want of economical communications to bring them

consequently their value, will be another creation It is proper to remark, that the canal, before of the canal; a creation which must be considered soil, while the less productive remainder is covered being entirely completed from Georgetown to Pitts- the more important, when we reflect on the powerwith excellent timber, and contains mexhaustible burg, will still give successive results from the very ful influence exerted over manufacturing industry walue of the acre at four dollars, which, for fifteen work will advance, on the one side from Pittsburg, is difficult to calculate in anticipation, what will be millions, gives a total value of \$60,000,000. Now, if we take into consideration the actual transportation by land between these two places haustible source of publick riches and of private ecowith the ocean. Thus, each portion as soon as the first years its annual consumption will be less built, will successively produce a partial result, and than 150,000 tons. In fact, the population alone of entirely, at least in part, the expenses incurred from 314,624 inhabitants, and our supposition only alyear to year: although it will only be when the lows half a ton for each inhabitant, while the prowhole line shall be completed, that the canal, being portion admitted for large cities, which make an brought into full operation, will produce the com- extensive use of this fuel, is 13 of a ton for each in-

> Now, estimating the ton at seven dollars, the The articles exported at the present time, by the 150,000 tons give \$1,050,000 for one year, and six

As to the article of lime, the mere fact, that at and manufacturing industry; 2d. Those which are Washington City, for want of economical commuin some measure immediately afforded by the soil nications, the lime used is brought from Rhode Island, shows that this article will acquire from the The first class consists of wheat, corn, flour and canal a value of which it is entirely deprived at the

The same observation will apply to the timber, of The second class consists of coal, time, timber, all kinds, which the vallies of the Potomac, and of the Youhagany, and the ridges which they traverse,

We will suppose, merely from conjecture, that ed as a minimum, and 390,000 as a maximum. We clusive of coal, will receive a value created by the will adopt 350,000 tons, which, at the moderate va-canal equal to 120,000 dollars per year, or for six

In summing up the augmentation of products of

For the articles of the first class, \$23.977,170 6,300,600 Lime, timber, &c. 720,000

Total for six years, \$30,997,170 But this creation of products, of which the transportation and exportation will take place from West to East, will cause in itself an increase of return trade, which would not exist if the canal itself did classes of merchandise: the one composed of domestic manufactures, the other of foreign manuthe third, and for the latter, the two-thirds, of the This being established, and \$21,000,000 being value of the exportation (from West to East, of the of domestic wealth created by the canal, and in which our fisheries would form an important nem; This sum, added to that of \$30,997,170, gives \$38,989.560.

Conclusion. Six years after the canal shall have been in operation, the augmentation of the products created by the canal, or which amounts to the same, the advantages obtained by the producers, presents a value equal to one and three-fourths times the whole expense of construction, and more than three times the expense of the Eastern and

Western sections taken together.

If the public treasury will derive certain advantage by the influence which the canal will have on the augmentation of the value of the lands belonging to the Union, it will also receive others full as certain, by the increase of products exported abroad.

We have just estimated these at two-thirds of the into market on such terms that they may compete total quantity of the products of the first class ere-Let us now consider what will be the advantages in price, combine together to render their present ated by the canal; that is to say, the two-thirds of

\$23,977,170, or for the six years which will follow sequently, in a national point of view, even should the opening of the navigation at \$15,984,780.

But the duty received on imports being valued at 25 per cent. of domestic products exported, it follows the annual expense of repairs and superintendence, must be deducted for the repair and superintendence that the treasury will receive \$3,996,195, during the the physical advantages which would result from its of the work. This same revenue is 10 per cent. of six years following the completion of the canal; an accomplishment would far exceed the expense in amount entirely due to this work, and belonging to which it would have involved; in fact, a few years Western sections together, or 8½ per cent. after de

Conclusion. Adding the preceding sum to that of and Western sections taken together.

It is proper here to observe that, if the revenue of lations can offer by anticipation. the Union, arising in time of peace almost exclusively from the customs, is sufficient to meet the exbecome indispensable to have recourse to internal sufficient, from the first years, to afford a reasonable taxes. The Union will, therefore, find in the iminterest for the capital employed in the construc-

in the present computation.

two voyages being made in a year, would cause an lowing calculations are made. increase of shipping of about 50,000 tons, and of quired for each 100 tons.

To all the benefits which have just been enumerated, we should add those arising to commerce and rested in the Chesapeake and Ohio Canal. ther to be six per cent. on the total value of the articles of the first and second class, of which the amount which, for six years, will give is \$30,997,170; this item will thus be, for six years,

\$1,359,830.

Limitting to the above objects our estimates of the physical and national advantages which, at the end of six years, will be owing to the Chesapeake and Ohio Canal, we will here present the summary

Augmentation in the value of lands, or beocht derived by the owners of real \$36,780,000 Total of successive augmentations of the value of the products during six years or advantages obtained by the 33,989,560 producers Total of successive augmentations by the revenue of the customs, during the same period 3,996,195 Benefits derived to commerce and the carrying business together, and for six years 1.859,830 \$81,625,585

Conclusion. Thus, supposing even that the augmentation of the value of land, at the rate at which we have reckoned it, should not be completely realized until six years after the opening of the canal, the general benefits of public and private economy will amount together to more than \$81,000,000. This sum is equal to three and three-fourths times the whole expense of the construction of the canal, and to six and two-thirds times the expense of the Bastern and Western sections taken together. Con- Which makes, for a mean year,

in itself, and its tolls be so regulated as to pay only must be reduced to 3½ per ceut. as 1½ per cent. only would be sufficient to produce an equivalent to ducting 12 per cent. for repair and superintendence. the capital employed in the erection of the work. \$12,000,000 presented above, as the increase of the If we add to all these considerations, the spirit of en- ed for repair and superintendence, can only be advalue of land, it follows, from these computations, terprize, which is the characteristic of the population mitted on the supposition of the canal being, in the that the Union is interested for about \$16,000,000, of our country; the rapid increase of this population; first instance, solidly built; if it were otherwise, the in the accomplishment of the Chesapeake and Ohio the fertility of the districts more peculiarly interest- expense of repairs would be considerable, and Canal; a sum which is more than the two-thirds of the ed in this great work, and the variety of their pro- would consume the greatest part of the revenue, on total expense of the construction of this work, and ductions, the most cool and sceptical mind will be account of the peculiar exposure to violent causes one and one-third times the expense of the Eastern obliged to confess that the future will undoubtedly of accident to which this work is liable. present results far beyond those which these calcu-

As regards the probable revenue, strictly so call- will be for the seventh year. ed, of the canal, although it be not, in the present penses of government, it will probably become ina- case, an essential point, nevertheless, in lixing the dequate to this object in time of war, when it will rate of tolls at an even moderate scale, they will he provements due to the existence of the canal, im-tion of the work; an interest which will thereafter portant resources, the value of which is not included progressively increase with the population and the developments of industry produced by the existence Another item in favour of the Union, which has of such an outlet to the ocean. We should also also been omitted in this computation, is the increase remark, that even before the completion of the of the number of sailors which must naturally result work, each portion, as successively finished, will from the increase of the amount of exports, and thus immediately produce a revenue which will acord, if extend the nursery of the defenders of its flag, not an entire, at least a partial interest, for the capi-These exportations amounting, as shown above, to tal employed in the construction of such respective \$15,984,780, which, at the rate of 60 dollars per ton, portions, but it will be only after the entire comple-(price adopted in these computations.) would make tion of the work, and its going into active opera-266,413 tons, during the six years following the open-tion, that we may hope to derive an interest which ing of the canal; the sixth year would give, by this will bear an advantageous relation to the capital. valuation, 79,344 tous, which, on the supposition of It is, therefore, only for this period that the fol-

We have seen above, that at the present time, 2,000 sailors, supposing, as a mean, 4 sailors re- 350,000 tons have been considered as a mean estimate of exports made, both to New Orleans and to the Atlantic ports, from the districts peculiarly inteto the carrying business: we will suppose them toge- will suppose that the third only of this amount, or 116.666 tons, will take the course of the canal, tons, 699,996

The increase of products of the first class, reckoned above at \$23,977,170 for six years, represents, at the rate of 60 dollars per ton,

Coal, at the rate of 150,000 tons per year, and for six years,

Lime, timber, boards, &c. for six years,

Total per six years, for the trade from West to East, tons, 2,023,615 To this should be added the tonnage of the return trade; on the Erie canal it is estimated at one-fifth of the descending trade; we will here suppose it to be 202,361 one-tenth,

Total of the tonnage of the trade in both directions, during the six first tons, 2,225,976 vears.

Which, at the mean rate of 12 cents per ton per mile, and for a mean distance of 200 miles, would give, for the tolls \$6,677,928 of the first six years together, To which must be added the tolls on the boats returning empty, and of which the tonnage amounts to 1,821,254 tons, which, at the rate of one-tenth of a cent per mile, and for 200 miles, will give \$64,250

Total of tolls, during the first six years taken together, \$7,042,178 1,173,696

A revenue which is 5 per cent. of the total exthe Chesapeake and Ohio Canal afford no revenue pense of the construction of the canal, but which

We should here notice, that this low rate adopt-

But having taken a mean year of revenue among the six first years, let us examine what the revenue

We have, for the present trade towards the Atlantic, either by the Potomac, or by the great roads, per year, as above, tons, 116,666

For the increase of products belonging to the seventh year, for \$8,548,055, at the rate of one ton for \$60, 142,467 Coal for one year,

150,000 Lime, timber, boards, &c. for one year, 4,000

tons, 413,135 One-tenth for the return trade, 41,313

Total. 454,446 These 454,446 tons, at the rate of 1½ cents per ton per mile, and for a mean distance of 200 miles, will produce a revenue of \$1,363,338

or the boats returning empty, and whose tonnage will amount to 371.820 tons, at the rate of one tenth of a cent per mile per ton for 200 miles, gives

74,364 Total of tolls for the seventh year,

\$1,437,702

This revenue of the seventh year is 62 per cent. of the whole expense of construction of the entire canal, and 5 per cent. after deducting 12 per cent.

for the expense of repairs and superintendence. The same revenue is 12 per cent of the expense of the Eastern and Western sections taken together, and 10½ per cent. after deducting 1½ per cent. for repairs and superintendence.

Let us now examine what will be the revenue for the maximum of trade of which the canal is sus-

ceptible.

399,619

900,000

24.000

We have seen, in that part of this report which relates to the Middle section, that 28,800 boats should be considered (regard being had to the supplies of water, and to the loss of time ensuing from the passage through the tunnel,) as the maximum of commerce from West to East, and from East to West, taken together. 14,400 loaded boats will pass from the West; and 14,400 will pass from the East, which from the supposition above made, will be only one-tenth loaded. There will, therefore, pass by the summit level, in a year, that is, during the eight months of navigation, 15,840 loaded boats, and 12,960 return boats not loaded. The boat which we adopt to navigate this canal will displace about 90 tons weight of water, drawing three feet of water, and will carry a burden of 60 tons.

The 15,840 loaded boats will consequently carry 950,400 tons; and, as the question here refers to the maximum of trade passing by the summit level, we must admit that these boats will navigate the entire line of the caual, and that they will pay toll for 342 miles, which, at the rate of 12 cents per mile, will give \$4,875,552

The 12,960 empty boats, representing 777,600 tons, will make the same passage as above, but will pay only onetenth of a cent per ton per mile, which will give

As to the trade of the Eastern section alone, in supposing it to be only 300,000 tons in both directions, namely 120,000 tons for the articles of the first and second classes, coal excepted, & 150,000 tons for coal, total 270,000 tons-to which adding one-tenth for the return trade, gives 297,000 tons, or, in round numbers, 300,000 tons: it will therefore produce, at 11 cents per ton per mile, and for a mean distance of 90 miles,

For the nine tenths of 300,000 tons, or 270,000 tons for the boats returning empty, at the rate of one-tenth of a cent per ton per mile, and for 90 miles mean distance,

Total of the annual revenue of the canal, when its trade, by the increase of population, and the action of the canal itself, combined, shall have \$5,570,791 reached its maximum,

canal will cover the whole expense of its construc- mise the most favourable results.

from pretending to offer here any result which can be considered as within reasonable limits of exactness. We have, therefore, but some views of a very general nature to submit on this point.

The maximum of annual trade, from West to East, according to the calculations above, will con-

1st. Of 14,400 boats, carrying each 60 tons, and tons, 864,000 together,

2d. Of 120,000 tons for the Eastern section, of the products of the first and second class, coal excepted,

> tons, 984,000 Total,

120,000

Which, at the rate of sixty dollars per ton, price adopted in the preceding calculations, will give \$59,040,000

3d. 150,000 tons of coal, at the rate of 7 dollars each, 1,050,000

Total of the maximum of annual trade which can pass from West to East on \$60,090,000 the canal.

And as the trade from East to West, or the return trade, may be supposed equal in value to the above, or to 60,090,000

It follows that the maximum of trade which can pass in both directions, will \$120,180,000 be, in one year,

think that, in strict justice to this work, we should nish a parallel. Already a part of this population tain number of outlets to facilitate the exportation submit the following observations, having for object finding itself placed at too great a distance from of all their products, and the importation of the reto show, that the general results above presented the Gulf, and the amount of its productions being turns; and it is doubtful if even four of these outmum quantities.

population of the census of 1820, while, in strict-such as the Alleghanies, cannot bar the progress of these communications will not be profitable, we ness, they should have been made on the probable a nation so enterprising as ours, and still less dark- should rather apprehend that, at a future day, they population which will exist at the period when the canal will go into operation. But, in supposing This chain should be broken at every point where between the West and the East. The insurmountthat the canal he commenced in 1827, it can scarce-it is practicable, and the most prudent policy ap-lable obstacles opposed by nature are thus the only ly be completed before 1838; at this period, our pears to be to hasten in the execution.

population, at the present rate of increase, will be The state of New York, in turning this chain to economical outlets we can open through this chain, above one half more than it was in 1820.

Chesapeake being then united with Lake Erie by a of his country.

water communication of about 460 miles in extent,

But scarcely has this communication through the (a distance nearly equal to that from the port of state of New York gone into entire and active ope-Erie to Albany,) all the territory bordering on the ration, before it is perceived that, in a short time, it great lakes, with the exception of Ontario, must will not be sufficient to satisfy the demands made participate in the trade of the Chesapeake and Ohio opon it. Thus, a few years will have sufficed to Canal. Combined with this work, the Ohio and produce results which exceed what the most san-Erie Canal would have offered results much more goine hopes could have anticipated. This fact, favourable than those we have presented, in the taken alone, proves that new communications will comparisons which we have made between the ex- become indispensable. 405,000 pense of construction, on the one hand, and, on the other, the augmentation of territorial value; the successive increase of products; the extension of the West can be economically directed. But, these trade, both inland and foreign; and the revenue, two points, placed, the one to the North, the other strictly so called, of the work. These results would to the South, have each a certain sphere of action, have been by so much the more advantageous, as, which cannot extend beyond certain limits; and taking an equal distance, the Ohio and Erie Canal there remains between their respective commercial will be much less expensive than the Chesapeake range, if we may use this expression, a large extent and Ohio Canal.

the advantages to be afforded to this work by the to transport its products to them, with profit. proposed canal from Georgetown to Baltimore, and

tigations should be made to determine, as has been not, it seems to us, to know if these communications before suggested in this report, the comparative will be profitable; but, in fact, to ascertain if the advantage between a canal and a railway, to connect number of those which are practicable, will be suf-

mitted to express our acknowledgements to General the kingdoms of France and the Netherlands taken Walter Smith, of Georgetown, D. C. for the zeal together, of which the population is not less than 35 and care with which he has kindly furnished us millions of inhabitants. These two wealthy kingwith data which were indispensable for forming the foregoing calculations. Without these data, it would 2,200 miles, besides eight large navigable rivers,

cal advantages offered by the Chesapeake and Ohio
Capal, it only remains for us, in conclusion, to subthose kingdoms.

The great fertility of the soil, and mit some ideas on the other advantages which will the commercial enterprize which characterizes our result from the execution of this work.

One of the most important results of the acqui-

the north, has shown the first example; and while, the more will the resources of the West develop

plated canal from Pittsburg to Lake Eric, and with rapid strides, the illustrious citizen whose elewhich may be considered the continuation of the vated views especially advanced this great work, Chesapeake and Ohio Canal, as far this lake. The has enrolled his name on the list of the benefactors

of our territory, which, on account of its too great 3d. Neither have we spoken, by anticipation, of distance from each of these emporiums, is unable

These portions of our territory include, more par-Thus, at this period, four years of revenue of the of which the surveys, at present in execution, pro-ticularly, the states of Tennessee, Kentucky, Ohio, Indiana, and Illinois, and the Michigan territory; to 4th. In the estimation of the return trade, one- these we night have added the western parts of As to what regards the total value of the maxi- fifth would have been nearer to the truth than one- Virginia and Pennsylvania. But, limitting ourselves num of trade which can be borne on the canal, we tenth; but, in adopting this last proportion, our to the states and territory cited, we find an extent can offer nothing more than conjectures, and in object has been to keep ourselves, as to the revenue of 250,000 square miles of fertile country, whose such case the field is vast: therefore, we are far from pretending to offer here any result which can 5th. Finally, in all our computations, we have 1820, to 1,779,949 These states, if deprived of taken care to compare, separately, the expense of economical communication with the ocean, cannot construction of the whole canal, and that of the attain a reasonable degree of commercial prosperi-Eastern and Western sections taken together. Our ty; with the exception of cotton, they all cultivate object in thus proceeding, was, to show how unfanearly the same productions, and consequently they vourable to the different results was the Middle cannot possess an internal trade among themselves section, which, being only the fifth part of the of much activity; it is only by exporting these prolength of the canal, still counts for five elevenths ductions that they can, in this respect, contribute to, of the expense of the whole. Our object has also and participate in, the whole prosperity of the union. been to show how desirable it is that proper inves- in such a state of things, the question of policy is

Cumberland with the mouth of Casselman's river. ficient. We will observe, on this point, that this Before leaving this subject, we hope to be per-extent of 250,000 square miles, is at least equal to have been impossible to have given to this subject of our report the extent which its importance deserves.

Having terminated this rapid view of the physireferred to, may be considered as capable to suppopulation, leave no doubt on this head: and if proofs were, however, necessary, we need only to sition of Louisiana, has been, to afford to the coun-recollect, that at the present time, when our manutry West of the Alleghany, an outlet to the sca. factures are yet in their infancy, our inland trade is The tide of emigration then flowed towards those already the third in amount of that of France, while Before terminating these considerations on the fertile regions, and their population now increases our foreign trade is equal to that of this fine king-physical advantages produced by the canal, we with a rapidity to which no other country can furdom. These states will, therefore, require a cerare below the truth, and must be regarded as mini-considerable, demands new outlets: that by the lets will be found practicable between the Juniata um quantities.

Mississippi is not sufficient for them; they require and the Savannah river, even by the combination of 1st. All our calculations have been based on the more. A chain of mountains of secondary rank, canals and rail-ways. Thus, instead of fearing that 3d. We have not taken into account the contem-in reward of its enterprize, its prosperity advances themselves, and the more will the East and the West

become united by indissoluble bonds of a common

Among these outlets, the Chesapeake and Olio Canal hulds a conspicuous rank; its degree of prac ticability is well settled; the relations between the expense of its construction and its physical advantages, have been established, we trust, in a satisfactory manner; but it also offers other advantages, which it is important to enumerate.

It opens into the Chesapeake, whose central sit uation on our Atlantic coast is equally favourable for its trade with the south or with the north; and while, in time of war, this trade will find protection behind the ægis of our paval forces in Hampton Roads, the canal will assure to our maritime establishments in this quarter, abundant resources of every kind; a circumstance which will associate still more intimately the regions of the West with our destinies on the ocean. These naval establish-ments will also be placed in communication with Pittsburg, a city destined to become the great man-ufacturing emporium of the West, and of which the different branches of industry will be of the greatest importance for naval supplies.

The Chesapeake and Ohio Canal also enjoys, in common with all those which can be made to traverse the ridge of the Alleghany, the inestimable advantage of furnishing to the states and territories whose exportations and importations are made through the Mississippi, a safe communication with the sea, in case the circumstances of war should close or render dangerous the passage by the mouth order properly to appreciate the value of such an tivation alone. advantage, it is proper here to observe, that the but the opening of this great river will remain al-The fate of Cuba is yet uncertain, and our establishments at Pensacola, unfortunately, are not of a nature to admit vessels of the first classes. Thus, it is not sufficient to have defended the coast of Delta of the Mississippi: it is also necessary to asto the ocean. Without such outlets, the commerce of extensive districts may, in the course of events, become, as it were, entirely paralyzed, and the consequences would be beyond all description.

canal from Pittsburg to Lake Erie, it will afford a direct communication between the upper lakes and the ocean, and will form a military line of operations which cannot, in any circumstances, be cut off or intercepted. This line will join the centre of our northern with the centre of our Atlantic frontier, and with the capital of the Union. In time of war, it will give every facility to concentrate, rapidly and economically, on either of these frontiers. troops and military supplies of every kind; and thus will give them, particularly the northern frontier, a degree of strength which expensive works of de-

fence could not procure.

Such are the principal considerations which, in our humble opinion, have appeared to us proper to demonstrate the degree of importance of the great work which forms the subject of the present repurt.

All which is respectfully submitted.
S. BERNARD, Brig. Gen.
Member of the Board of Internal Improvements

WM. TELL POUSSIN, Capt. Top. Eng. Assistant to the Board. WILLIAM HOWARD, Civil Eng. Assistant to the Board.

Washington City, Oct. 23, 1826.

AGRICULTURE.

ON GENTLEMAN FARMING.

(From Lorain's Husbandry.)

Remarks on the gentleman's country establishment and a more economical management proposed.

[Concluded from page \$56.]

Where land is cheap and population thin, boggy and springy places should be sown in herdgrass and remain in it, even if it should spoil the looks of a break the plough: still the gentleman had better not commence the removal of them until he has how his fields look, if at the end of the year, the of the boggy or springy places, as they have furnished him with good hay, and no longer mire his cattle when pastured in the fields. Where land is high and labour plenty, the gentleman may sow such places with the same grass, and let them re-main in it until he is well informed in the art of fields, the practice of cutting off the communicadraining. Although we have some excellent writspent in draining, to but very little purpose; parti-cularly in under draining. Where the excess of moisture does not proceed from springs, this expense may be avoided, and the superfluous moisture of this great artery of the regions of the West. In more effectually run off, by a proper system of cul-

When stumps are fast in the ground, removing the wood may be advantageously used for fuel: ways exposed to blockade as a commercial outlet. provided the stump be sound; for when it is other. The fate of Cuba is yet uncertain, and our established by the falling of the tree, or in any other way, the blast is commonly ineffectual. Stumps have been removed in the Eastern states with great facility, by what is called here the Yan-Louisiana, and to have ensured the possession of the key lever. It is represented to be a simple piece of timber, with canthooks so fixed in the middle of sure to the valley of this noble river, lateral outlets it as to grasp the stump; a powerful yoke of oxen is attached to each end of the lever, and these, by moving in contrary directions, it is said, and in a extracts the stump.* However, I advise the gentleman not to attempt even this mode of extracting that are calculated to effect the purpose. When the roots have become sufficiently decayed for a may be taken up in the course of one day, and with but very little expense.

Blowing rocks which stand above the surface of the soil, is very expensive; especially if they do not split freely. Filling the holes with the earth around way, it is expensive. Although the plain practical gentleman not to engage in it until he cao accurately calculate the expense and compare it with

*When the stump is large and very fast in the ground, two pair of powerful oxen hitched to each end of the lever do not seem to be too many, if enough, in this way. It is, however, doubtful whether the provided the roots be sound.

ble that he will not encounter this business until he becomes well acquainted with it, and can hire a blaster whom he knows to be expert; otherwise much time and powder may be expended to but very little purpose. He should also have some va-luable use for the stone, or sell it to some person who will haul it off the field, for even this alone is expensive. Surface stones must be removed, or the grounds cannot be mowed. Concealed stones near the surface of the soil, occasion tedious and bad ploughing, soon dull the irons, and sometimes to be the farmer's aim: therefore, it matters not been a year or two on the farm, for it requires well how his fields look, if at the end of the year, the balance of his profit and loss account book looks ble useless expense. The larger stones got in this well; particularly, as he has no cause to complain way, and gathered from the surface, may be either sold or reserved for building, and the smaller ones applied to stop the washings which run into the gullies, or mend the roads, or may be reserved for under draining, or hauled into the quarries.

When a fence is run between the woods and the tion of the roots of the trees, with the cleared being practically understood. As it is very difficult to cut off the springs judiciously without practical two rails in each pannel, also something in the spent in draining, to but over the springs to the trees, with the cleared grounds, is attended with but little extra expense two rails in each pannel, also something in the spent in draining, to but over the content of the post and the haust the field and injure the crops. But after some time, the roots grow downward a little within the surface of the soil, and cross the hottom of it, and mounting upward, find their way into the field without being seen. However, by cutting them off occasionally on each side of the bottom of the ditch, they may be prevented from doing any very coast of Louisiana does not offer any position from them by grabbing is very expensive, and should which our fleets can, in an effectual manner, profor blowing them to profor blowing the protect the outlet of the Mississippi into the Gulf. The answer in that country where labour is cheap, and roots of trees cross very deep gullies in the same way as they cross the ditches: therefore, no good, but much evil will arise from making the ditches deeper, every time it becomes necessary to cut off

the roots in the bottom of them.

The late plentiful introduction of Merino sheep, will terminate as a very great advantage to this country; provided this animal be not despised and neglected, because its valuable properties fall so very far short of realizing the golden dreams of in-fatuated speculators. Their compact form and close pile of wool, or some other cause or causes, way that seems to leave no cause for doubt, quickly render them, or even a mixed breed with them and the common sheep of the country, much hardier The Chesapeake and Ohio Canal not only offers the shortest outlet between the Ohio and the Atstumps, unless he can procure workmen who are and usage that common sheep fall away on; are lantic, but also, connected with the contemplated practically acquainted with the business, and cattle more readily fattened, and much less subject to disease. Their wool also sells at a much higher price. Still, common sense dictates, that the price pair of oxen to draw out the stump, by a log chain of them must ultimately terminate in the value of hitched round the upper part of it, a great many the materials of which they are composed. This might have been as clearly seen before the ill judged speculation in these animals took place, as at the present or any future time. Yet if they had actually possessed the golden fleece prefigured to us on split freely. Filling the holes with the earth around sign posts, or some other properties equally producthem, injures the soil, and if earth and soil be tive, more could scarcely have been said of their valued for this production. hauled for this purpose, which seems to be the best lue; or more industriously propagated in almost every possible way, by interested speculators; or by genfarmers are in the practice, it is a doubtful one, for tlemen whose imaginations were as highly inflamed none but the wealthy encounter it, and the princi-pal part of the labour is done at leisure times, by themselves and family: consequently they neither prevailed. Formerly, large animals were the ob-icel nor estimate the expense: I therefore, advise the sition to fatten freely, take the lead. The latter seems to have reason on its side; and it may be reathe improvement. If this be done, it seems proba-dily effected by judicious mixtures of the various forms and properties so very conspicuous in different animals of the same kind; and no question but

ole convenience attached to the latest.

best and most approved breeds, will be compelled injured, by these inconsiderate practices; while the attentive observation. to receive a moderate profit, or like the keen sports-plain practical farmers, although some of them pos-man start fresh game. The latter accords much sess more wealth, wisely avoid these ruinous specu-farmers in general as of books. He must be a bad hetter with the exorbitant profit attached to his bu- lations, unless they commence the business of a one, indeed, from whom no useful information can siness; therefore new game will be started, and if eastle jockey, which too many of them have done, we may judge from the past of what is yet to come, it is to be feared that by far 100 many gentlemen enriching themselves and families, by preying on troduce the best practice that can be pursued; the farmers will follow the chase, with as much avidity the ignorance and folly of gentlemen farmers. Al gentleman, however, should always keep in view, as the gay world follow the fashion of the day. It should, however, he recollected that a gentleman and ignorant by too many of the learned writers on to gain, and not to give information. If this be farmer does not possess the qualifications of a cattle husbandry, they have proved the contrary, as the done, he will find them obliging and ready to comtoo much to put them in practice, consequently, considerable estates. stocking his farm with domesticated animals at exorbitant prices would be ruinous to him. The real keeper of a tull gate, whether he knew of any store theman has either overlooked the business he devalue of these animals is no further increased, cattle for sale in his neighbourhood. He said he signed to accomplish, or suspect that he came for value of these animals is no further increased, than the extra profit arising from the different improvements that had actually been made in them, served that this man dealt in cattle. The stranger ter will be considered useless, for they have too market, &c. This will be found scarcely worthy of for sale, as he always preferred dealing with gen-consideration, when contrasted with the immense tleman farmers. This was accompanied with a nagement be rational and judicious, the silent disgentleman be rich, he may promote the interest of agriculture by a moderate introduction of improved animals, without any serious injury to himself.

in England has introduced many valuable improve-ments, but it is equally certain, that the immense wealth possessed by some of those gentlemen, together with a general emulation to excel, have induced many of them to introduce expensive practices, which are better calculated to ruin farmers, the whole amount of wool commonly obtained at a on the blunders of gentleu.en farmers, clearly deof their farms, than to promote their interest.

Bookmaking is a trade well understood in Eng-To secure these advantages they must be pleased. been published by it.

racing has been long, and too successfully patronized by those who are fond of the sport. They urge that the practice promotes emulation, and that this is the best means that can be devised to insure the However, the collected wisdom of our State, has good pack of dogs in full cry. justly considered this practice very injurious, and

penalties.

The same arguments are used in favour of plough races, cattle shows, and sheep shearings. They are published with the same eclat that horse races commonly are, and pretty much in the same style.

The pedigree of the animal is traced back so far as they can obtain any credit from their ancestry. After this, as is the practice in prudent families, duces him to hurry in his seed. genealogy ceases. It should be recollected, how-The emulation to excel, induces many to pay for a should, however, be recollected, that it requires simple and cheap instruments and implements are single animal, more money than would purchase all practical information to enable him to separate the by far the best. However, the gentleman too frethe live stock necessary for a valuable farm. If chaff from the wheat. This is best obtained by ob- quently thinks otherwise; hence it is, that if you

principally depends on the alteration of fashion, and wery injurious to the economy of farming, would generally find every possible convenience attached to the latest.

Annuagh their too generally find every possible convenience attached to the latest. The cattle jockey, when the market is full of the with the great, and are frequently ruined, or sadly quired much information from practice, united with

sists in a circumscribed circle of friends.

This is difficult, unless their bad as well as good simple, but lovely and necessary economy, by con-empted from this evil, or the obstinate pride which practices be equally recommended. Another source necting useless, injurious, and expensive practices induces too many to persist in error long after of extensive error is opened, when wealth, talents, with it. I therefore advise those who cannot be their judgment ought to have been convinced. or zeal, improperly directed, happens to obtain too happy, unless they spend a portion of their time A description of an immense number of agriculmuch influence in agricultural societies, as the act and money in sportive gratifications, to resume tural tools and implements, with engravings of of publication stamps intrinsic value oo error; for the reader is naturally induced to believe that the subject, after being duly investigated, has obtained the approbation of the society, or it would not have There is no practice so bad but it may, and too not all, their pleasure will be greatly promoted by lated to injure gentlemen farmers, who are not yet often is, advocated, even by men of talents. Horse the change, for the beautiful figure of an Arabian taught to discriminate, especially as many of these improvement of that noble and very useful animal. infatuating harmony of the huntsman's horn and a the cheap and simple instruments and implements

provement to remain permanent. They are like this practice were confined to gentlemen possessing serving the practice of plain practical farmers, and barbers, milliners and many others, whose profit immense estates, the evil, although the example is conversing freely with them. Although their too

jockey. If he were well acquainted with these exercise of their talents and wit in this disgraceful municate; but if, like too many, he forgets his erqualifications, it is presumed he would despise them business has enabled some of them to accumulate rand, and talks of what he has done or intends to do, or should he presume to recommend his own This puts me in mind of once inquiring of the practices to them, they will soon see that the gendid not, but pointing to a farmer standing by, ob- the express purpose of instructing them. The latwhich will be finally determined at the butcher's said he was very sorry that he had none at this time often witnessed the blunders of gentlemen farmers prices at which they are sold, while they continue smile so expressive of what he thought, that it ap-play of his crops will eventually gain the respect the objects of an infatuated speculation: still if the peared useless to inquire the cause of this marked and esteem so justly due to unassuming merit, and reference. the plant practical farmer will the more cheerfully Gentlemen who are found of associating with, or adopt his better practice; and if death or any other entertaining large mixed companies, might readily cause should remove him from the neighbourhood, It is certain that the rage for gentleman farming do this without connecting the folly or expense with his absence will be regretted, and his memory rethe economy of farming; this, instead of promot-spected. His labourers will respect his talents and ing agriculture, is exactly calculated to prejudice prudence, and cheerfully submit to be directed by the minds of those against it, whose pleasure cun- him. For even this class of men are not so supid or obstinate as too many have represented them to It will be very natural for them to conclude, that be; their pointed observations and surewd remarks whose income depended on the proper management sheep shearing, would not defray the expense of trume that they are not deficient in native talents, of their farms, than to promote their interest. this serious evil, would be disagreeable to them as two often excite inveterate prejudice, which induces land. The opulent are the best customers, and the they must necessarily entertain numbers with whom them to be opposed even to good practices that patronage of some of them is highly impurtant.— they would not wish to associate.

Yet it should patronage of some of them is highly impurtant.—they would not wish to associate.

The admirers of agriculture should not injure its be recollected that the learned are not always ex-

agricultural practices introduced by them; this is bookbinders, and engravers, but is exactly calcuin general use. This is not all, for many of them The race between lubberly plough horses or have been found very expensive and injurious to has endeavoured to suppress it by heavy fines and sluggish oxen, especially when hitched to a plough, the interests of those that have tried them; although bears so little resemblance to that between animals the recommendation of them has been backed by well calculated for and trained to this exercise, that flattering calculation, and pompous promises of the it seems uscless to contrast them. The furmer is immense sums of money which might be saved by better calculated to exercise the patience, than to the introduction of them. It is true those calculapromote the pleasure of the spectators; and this the tions have been formed on erroneous principles, but plain practical farmer knows full well, especially it is also true that a gentleman farmer in the comwhen unfavourable weather, or any other cause, in- mencement of his business, cannot readily detect the error. In fact, too many of those books are Reading is highly important to the gentleman better calculated to lead him into error than do him ever, that the evils arising from these practices are farmer, for it must be a worthless book, indeed, any good, especially as it may be justly considered equally, if not more injurious than horse racing, from which nothing important can be gathered. It as a maxim in farming, that in general the most some years in operation, you will but too frequently see as many useless implements and utensils lying about in every direction, as would induce a poor man to consider himself rich, if he only possessed half the money which they had cost the owner.

HORTICULTURE.

HORTICULTURAL ITEMS.

From Loudon's Gardener's Magazine-1826.

Salt .- From several experiments made by Mr. Bennet, and detailed at a late meeting of the Bath and chlorine the most powerful agent for develop and West of England Society, it appears that salt ing this gas, it has been found that healthy seeds is "not so valuable as a manure, as in making corn steeped in the chloric fluid, are accelerated in their [grain] ripen earlier than it would otherwise do;" that is, it is not a manure at all, but merely a stimulant.

[The contradictory opinions as to the efficacy of salt on the soil, lead to the conclusion, that its utility cannot be depended on; and that the prospect of

Packing seeds and plants in foreign countries .- In

are given:

- tropical countries, keep the seed in the vessels or cial .- Annal, de l'Agric. Franc. Nov. 1825. pods, and wrap them in dry paper; but clean seeds of berries, or catable stone-fruits, from their pulp, been erected in the neighbourhood of Lincoln, Eng. and wrap them in paper, unless they are oily or for grinding bones for agricultural purposes. resinous. If this be the case, pack them in clay. Seeds of the mango, of the guttiferæ, magnoliaceæ, twenty bushels the acre, the most on poor soils stuartiaceæ, aruois and walouts, may be thus conveyed from hot countries much better than by any promote the interests of American husbandry. They cause the extreme heat and namidity of the equi-ried whole, their heneficial effects would be greatly noctial atmosphere universally prove destructive to prolonged.)
- tempered moist clay, then pack in moss, &ce.

Il have received many cuttings from the London Horticultural Society, stuck in potatoes, packed in Ann. Pomolog. d'Alten. 1824. We may add, that moss in a box, and not one of them dead, though wounds heal more quickly in the summer season, often with their leaf bads bursting, and sometimes in blossom. Of twelve kinds of strawberries, with ed at any other season of the year.-Loudon. a little dirt attached to their roots, and packed in moss, from the same society, eight lived and did food for the plant. Too great a defoliation, therewell.]

Bulbous, or tuberous rooted plants.-Dry them till all the moisture in their outer coats is exhausted, and then treat them much in the same way as

seeds.

4. Living shrubs, or herbaceous plants .- Plant them in square wooden boxes, and place these ing which time it had been wrapped up in paper, rial and manufacture her own necessaries. Cotton, close together in a large box, with a glass lid, as and set aside by accident in a dark, dry place, yet wool, and iron are the three raw materials from described and figured in the Ency. of Gard., sect. it was in full vegetation, affording a strong illustra- which are manufactured most of the articles essen-1405

The compression of timber, by passing plank be- clop. 23, p. 75. tween rollers, has lately been made the subject of dry rot, by expelling moisture and closing the interstices.

('I'he natural sap of timber abounds in vegetable extract, which, like yeast, causes fermentation and ultimate decay. When this is expelled, by heat, or saturation in water, and then drying, compression. charring, or a complete coat of paint, will prevent decay, by excluding moisture. Painting timber which retains the natural sap, accelerates, rather than retards, putrefaction.)

Dr Von Martius, who has travelled three years

by him in that country.

Mulberries.—The company for the promotion of lumes have been reprinted. silk in Ireland, imported, last spring, 200,000 mulnursery of the mulberry.

A paper was read before the Horticultural Society on the 6th June, from Mr. Sweet, on the cultivation of marsh plants, as canna, hydrangea, &c. in pots filled with spaguini, or moss, which are suc-

cessfully cultivated in this way.

Germination of seeds .- The presence of oxygen gas being the principal requisite for germination. by the same process.—Humboldt.
Grafting.—M. Louis Noisette has published the

exemplified in the Jardin des Plants

Employment of bones as manure.—The Chevalier

Three steam mills and a horse mill have lately ground bones are used at the rate of from ten to

[The use of bones as manure would essentially other mode; or sown in boxes of earth. "Seeds might be collected in abundance in our large cities, should never be allowed to cross the equator, be- and beaten to pieces with hammers; or if even bu-

2. Cuttings of fruit trees.—In the winter season, The removal of shoots and leaves at this season, actempered moist clay, then peak in a potato, or lump of well cording to M. Hempel removes cording to M. Hempel, removes also a number of caterpillars and eggs of insects, consequently the birds devour a greater portion of what remains.and that the cherry is apt to exude gum when prun

(Leaves elaborate the juices, and prepare the fore, retards the growth of the plant, and may

sometimes induce disease and death.]

Power of vegetable life .- A branch of the Coty delon coccinea was presented to Professor Gazzari

tals, pension them out among the farmers, where

Jour. d'Ag. des Pays. Bas., Jan. 1826.
Bones.—The Royal Society of Sciences at Copenhagen, have offered a prize of 1000 crowns for the best essay of applying bones as a manure.

of Moscow, over which Prince Galitzin presides, and mense sums of money are annually sent to that of land near Moscow, for a farm, goes on well. It this country, unless some further encouragement is

happen to visit a gentleman's farm which has been plates, a description of 2000 new plants discovered from Kamschatka; and the journal of its proceedings has been so much in demand, that the first vo-

> The number of agricultural schools in Switzerberry trees from the gulf of Lyons, and sold them land is increasing from day to day. That which at cost, 4d. They are also cultivating an extensive was established in the canton of Zurich in 1818, is in the most flourishing state; that of Hoffwyl, the first which was established in Switzerland, still maintains its reputation; that of Cane, near Geneva, and that of Basle, are comparatively recent establishments, but give every promise of success,

The establishment of agricultural schools in the United States would produce a new era in our husbandry. But what is a paradox, the warmest opposition comes from farmers, who, constituting a majority in our legislatures, hold the publick pursesteeped in the chloric fluid, are accelerated in their strings. So they wish to keep agriculture to the germination; and that others that appeared to have level of their own capacities? Are they jealous lost their faculty of germination have recovered it lest their children should be wiser than their fathers? There is scarcely an operation of husbandry but what is connected with principles of science: description of 137 modes of grafting. Most of them and a knowledge of these principles would enable are the invention of the late Professor Thouin, and the rural manager to direct his labours with cerbenefit is not sufficient to counterbalance the ex- described by him in the Musée Française, as well as tainty of result, and economy of expense. They would expand his mind, polish his manners, and tend to render him an ornament and a blessing to a pamphlet on this subject, prepared by Mr. Linds-Maselet has addressed a letter to M. Matheu de ley, for the use of the collectors of the Horticultu-Dombasle on this subject. In a late tour in Scot-hear a Sinclair, a Davy, a Coke, &c. converse upon ral Society, and dated 1825, the following directions land, he found them equally effective on sandy and husbandry? Yet what is reading their works, but clayer soils, and that their benefit was felt for thirty hearing them converse. Books give us a descrip-1. Seeds. In cold countries, dry them well, and years. On humid and calcareous soils they are of tion of the successful methods of conducting every place them in a dry and airy part of the ship. In little use; but on grass lands they are very benefi- branch of farming, and science teaches us the rationale, or cause of their being most successful,-Science teaches the medical pupil the anatomy of the human frame, the quality of the various simples and compounds which he employs, and their effect upon the patient, and renders tributary to him the skill and discoveries of medical genius of his own and preceding ages. Science teaches the agricul-turists the nature and properties of soil, the quality and properties of the plants which grow upon it, the food which is adapted to nourish them respectively—the best manner of its preparation and application; and it also renders tributary to him the skill and discoveries of practical genius and scientific research of his own and preceding ages.] J. B. Albany, 1827.

MISCELLANEOUS.

WOOLLEN MANUFACTURES.

MR. SKINNER,

Sir-It appears that petitions are before Congress, some for increasing the duty on imported woollens, and others for increasing both the duties on imported wool and woollen cloths. It is believed that every candid mind, on reflection, will admit the utility and importance of increasing the duty on in Jan. 1824. Although it had been separated from both of these articles. This country can never be the mother branch more than sixteen months, dur- truly independent until she can raise the raw matetion of the vital power of some plants .- Rev. Ency- tial for the consumptive demand of this country. Most of the other articles needed, of more minor Brussels, Antwerp, and a number of surrounding importance, are obtained in the raw material, and a patent. The chief object is its preservation from cities, instead of continung their lunatics in hospi-manufactured with a profit in this country. Cotton wool, the great staple of the south, is now manuall of them improve in health, some of them make factured here to a great extent, into all of the imtolerable workinen, and a few recover entirely .- portant articles that it is susceptible of; and the manufacturer finds a ready sale for his goods, and realizes a living profit—and an immense sum of money is thereby saved in the country. But the great staple article of woollen cloths, for which we are Agricultural Schools.—The Agricultural Society literally dependent on England, and for which imto which the late Emperor Alexander gave a grant country to purchase, cannot be manufactured in in Brazil, is publishing in two quarto volumes, with has eighty pupils from various parts of Russia, even offered by our government by an increase of duties

Those unacquainted with the facts might be led to believe, by some remarks in the Boston memorial, that there is not wool enough raised in this country to supply the present demand of our factories. This is not the fact. There is now raised in this country wool of all descriptions, from that of a quality as fine as any in the world to the coarsest, a quantity sufficient for the consumption of all the factories now erected; and it is no less a fact, that in consequence of the large importations of the article from foreign markets, it has reduced the price of the article to such a degree, that the farmer cannot afford to raise it: and more than that, it may be estimated safely, that more than one half of the last year's crop is in the hands of the farmer, and cannot be sold even at these low prices. Such being the facts, both the wool grower and the manufacturer want encouragement. While England is shutting the ports of her colonies against our trade, would it not be wise policy in our government, in a measure at least, to prohibit the importation from her dominions, of such articles as we can raise and day, unless it blows a gale. We want you here manufacture within ourselves. We have in our where foxes are plenty, and the grounds good; and country as fine sheep as there is in the world, which we must have you for a week, at least. Graeff exwill be increased in any proportion to the demand for wool, provided there is sufficient encouragement given. But the present prices of wool will drive them to the slaughter; they will not be kept by the farmer; for to raise wool under these circumstances is certain ruin.

All of the New England, the middle, and most of the western states, would be directly benefitted by a large increase of duty, both on imported wool and woollen cloths; and it is presumed that every individual in all of the other states would be more or less indirectly benefitted by such a course of policy.

It is as important that we raise the raw material, as that we manufacture it; for in case of war, the time that we most need woollen factories, they would have to cease to operate for the want of the raw material, unless raised in this country. Let them both be encouraged, and millions of dollars would be annually saved in this country by the measure; and the country would be greatly enrichod thereby, and no one injured Now is the time for Congress to act. A duty from 45 to 50 per cent. both on imported wool and woollen cloths, would set the machinery of our woollen factories in motion, and save millions of fine sheep from the hands of the butcher. Let the experiment be tried;-Our factories would soon accumulate, and woot of all descriptions would at all times be raised to a suf since, a gentleman of Three Rivers, skated from ficient extent for their consumption, to manufacture that town to Berthier, a distance of forty five miles cloth enough, to supply the demand of this country; in five hours. It is added, that on the 27th of Jan and the competition would be such (as is the case 1824, vir. Arilly Hart, son of Mos s Hart, Esq., with cotton goods) as to keep the article down to Three Rivers, skated the same distance in four such a moderate price as barely to give the wool hours and forty three minutes. grower and the manufacturer a small living profit, and no American citizen would be the sufferer by it; but on the contrary, every individual in this great republic would be henclitted by the universal and public presperity that would be secured to this country by so judicious a course.

CINCINNATUS.

THE CHESTNUT TREE.

Chestnuts grow wild in this country, but never equal those in size and perfection which are imported from Spain and Italy. In these countries they sometimes grow to an immense size, and the largest in the known world are those growing upon Mount Ætna, in Sicily. The most bulky of them is known by the name of, the chestnut tree for a hundred horses; and is one hundred and sixty feet in circum-ference, but quite hollow within The people have built a house in the cavity of this enormous mass. Items, from Loudon's Gardener's Magazine for 1826— At Tortworth, in Gloucestershire, Eng. there is a chestnut tree, fifty-two feet in circumference, which Hunting in the District of Columbia-Skating-Tois probably nearly one thousand years old.

SPORTING OLIO.



FOX HUNTING.

Extract from a gentleman in the District of Columbia to another in Maryland, dated Jan. 27, 1827.

DEAR SIR-We will not fail to meet you on Mon

We rode out yesterday with the dogs, but more for the purpose of giving them exercise than hunting. In truth, I was anxious to see Spring rur with our dogs. We unkennelled, but the fox mus have been twenty minutes before the pack, and the scent lay badly. The pack, however, neared him in an hour; and the chase, for an hour or two more was very animated. In crossing a large old field he was compelled to seek shelter in the cover o some ravines, skulking from one ravine to another and three times in a few minutes, in the hope o putting his pursuers at fault, he passed through the same parcel of hogs; and he was at last almost un der the noses of the dogs.

Spring tried Juno at the start, and in a double she put Slim completely up; but neither would yield the lead. Before the chase ended, she, with tw others, were thrown out; -and I might say almost as much of myself.

P. S.-The foxes from the Maryland side are crossing on the ice to the Virginia side.—This i good news for us.

SKATING.

The Montreal Herald states, that a few day

BALTIMORE, FRIDAY, FEBRUARY 2, 1827.

Tobacco.—Total amount of hogsheads inspecte in the three State Warehouses, for the year 1826 viz: No. 1, 6500; No. 2, 5123; No. 3, 5456-17,079

Hay, per ton, \$20; Rye Straw, do. \$14; Chop Rye cwt. \$1.75; Oats, bush. 45 a 50 ets.; Corn, in ears \$3.50 per bbl.; Cut Straw, bush. 5 cts.

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The Ohio and Chesapeake Canal, extracts from th Report of the Board of Engineers-Remarks on Gen ootlen Manufactures-The Chestnut Tree-Fox bacco inspections for the year 1826.

1	PRICES C	UR	RE	N	T.					
	ARTICLES.	per.		01.	SA	LE.	1	RET	AIL	
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	BEEF, Baltimore Prime, BACON, and Hams,	bbl.	8	50 6	9	00 10		9		12
	BEES-WAX, Am. yellow	_		29		30		9		50
١	COFFEE, Java,			16	1	161		20		22
	Havana, COTTON, Louisiana, &c.			14		16				20
	Georgia Upland,	_		10	1					
l	COTTON YARN, No. 10,			23						
۱	An advance of 1 cent each number to No. 18.									
•	CANDLES, Mould,			13		16		16		13
5	Dipt,		1	84]	[음설]		12		16
	CHEESE, FEATHERS, Live,			30		32		37		15
	FISH, Herrings, Sus.	bbl.		73	•					
-	Shad, trimmed, FLAXSEED,	bush		50 00	6	10		-		
	FLOUR, Superfine, eity,	bbl.	5	50	5	75				
-	Fine,	_	5	25	5	50.	*			
e	CHNDOWNED Palti	25 lb	5	00			5	50	non	15
d	GRAIN, Ind. corn, yellow	bush		55		60			1	
	white	—	1	58 05	1	60				nowinal
e	Wheat, Family Flour, do. Lawler, & Red, new		i	00	1	10			Ì	200
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Printed every Friday, at \$5 per annum, for JOHN S. SKINNER, Editor, by John D. Toy, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

COAL ASHES-AS A MANURE.

MR. SKINNER,

Since the introduction of our native coal, or anthracite, into general use in our large towns, very large quantities of the ashes are accumulated, withinto some of the English works on this subject, I the hope that on further inquiry some useful information may be exhibited of the nature and efficacy of this substance, of which we have already an abundant supply, with a certainty of incalculable quantities in future.

Extracts from a modern work on agriculture, by R W. Dickson, M. D., in 2 vols. 8vo, entitled "A Complete System of Modern Husbandry," printed in London, 1813-2d edition. 1st vol p. 253.

"The ashes of pit coal, where they can be procured in sufficient quantities are, when applied as manure, found to be useful in many respects; but as these can contain saline matter only in proportion to the quantity of fresh vegetable products that may have been consumed along with them, little of the effect that is produced by them can depend upon it; much more probably arises from the propor-tion of calcareous earth which they contain. Something, too, in many cases, probably depends on the animal substances that may have occasionally been hurnt, or afterwards mixed with them, before they are made use of as manure. They may also be serviceable on the stifler sorts of soils, by rendering then more open and disposed to admit the roots of growing vegetables. That they may be beneficial in these ways seems to be shewn by their utility in the stiff clayey grounds from which brick earth has been dug, and on what are termed generally sour lands. On the more tenacious loamy soils they may operate by giving friability, and at the same time the ralcarcous principle, in a small degree, when it is sufficient. This is a conclusion which is further land.

"By the application of these ashes in the vicinity of London to the stiff soil from which the brick earth has been taken, they render it sufficiently friable to afford a good crop of beans, a vegetable which, though it grows well on the heavy soils, could not otherwise be produced on lands so very stiff as the lottoms of brick grounds generally are found to be. After this crop has been taken, it is usually remarked that such grounds are in a condition to admit of grass seeds being sown with the succeeding crops. But, except in such cases as the above, this manure is probably the best adapted to grass lands as a top dressing; it may, however, occasion ally be used in this way to the young grain crops. The proportions which may be necessary must be different, according to the intention of the farmer. the nature of the crop, and the state of the land."

Extract from a Treatise on Manures, by Richard Kirwan, Esq., F. R. S. &c., author of the Elements of Mineralogy-printed London, 1808. 7th edition, p. 17.

"Sifted coal ashes, those of peat, and white turf ashes, and wood ashes, have also been employed which appeared very promising in October. It was in many cases advantageously; they contain either even and without spots. But in mending the roads the four primitive earths, as Mr. Bergman asserts, a spring was turned into it for the purpose of en-

terrene salts; which, when in a small dose, all accelerate putrefaction; also small bits of charcoal."

without paying any thing but the cartage and the rest of the field it would have been difficult to freight, so little was their virtue as a manure then discover a single head of cheat. find the article of coal ashes mentioned as a spe-cies of manure, known by the agriculturists of that I annex extracts from two authors of reputation, in promote the use of that valuable article among us. A SUBSCRIBER.

January 27, 1827.

(From the Cincinnati Gazette.) TRANSMUTATION OF PLANTS.

"Knowledge is power."

The reading of an extract from an address of Dr. Darlington to the Chester county Cabinet of Natural Scieoce, as published in a late number of the lar friend, has induced me to recur to some notes l had made on the subject commented on by the Doctor in that extract. The extract is as follows:

"The vulgar error of the transmutation of wheat into bromns or cheat," (chess, goose-corn, &c. as imagine (I will not dignify the -(I cannot not only of a different genus, but of a remote class. wholly distinct in all its natural botanical characters. I allude to the alysum sativum of the botanists," &c.

the observance of facts very difficult to explain. But in respect to wheat, and plants belonging to But in respect to wheat, and plants belonging to grains, in every position, so that I could not possithat genus, there appears to me to be a very palpably be mistaken that it was really the wheat that ble error pertinaciously adhered to among the learned, in the very teeth too of facts long and well obsupported by their having been found from experisered among the most intelligent farmers. When less useful in the poorer sorts of land.

It is a conclusion which is future ed, in the very teeth too of facts long and well observed among the most intelligent farmers. When land. I was not more than sixteen years of age, it was spring, still attached to the roots. But to my great pointed out to me, and I observed with inquisitive mortification, at caring time, there was scarce an wonder, that the spots in grain fields (of wheat and ear of wheat in five hundred; it was nearly all rye,) which had been winter killed, i. e. wet places cheat, or chess, as it was there called. I was at a where the freezing had destroyed the wheat, were loss to account for this very palpable demonstraoften covered with rank crops of cheat, as regularly tion; but I recollected having read in some tragset as the wheat in other parts of the field. I care-ments of an old book I had some years before picked fully made memoranda, which in some years swelled up, in a window of a publick house, that wheat, rye, to considerable extent, from which, in addition to &c. had two sets of roots, the lower produced in the above, I offer you the following; which, if they the fall, and the upper put forth in the spring, and should ever meet the eye of Doctor Darlington, and I dug up a stool of wheat and another of rye, washhe become convinced of the truth of them, they ed out the earth, and found them as the author had must, I think, give to his mind an effect which he cannot but dignify with the name of belief.

1st. When a field, or portion of one, has, for a considerable part of a winter been exposed, without a covering of snow, in a latitude as high as 42° the wheat or rye, may be so far killed as that nothing will appear but the common weeds, variously interspersed. But if the snow has been melted away, at an early period, the soil saturated with after more than twenty years acquaintance, impliwater and frozen so as to chrystalize (honey-comb,) citly reply—a man of very correct observation, and the surface to a few inches depth, cheat will be who possessed a degree of intelligence and infor-

abundant, and little or no wheat, &c.

or calcareous earth chiefly, according to Achard; or riching the soil, by the wash from the road. By turnip.

calcareous and magnesia, according to D'Arcet. this the soil was rendered wet and moist to the They also contain some proportion of phosphorat- width of three rods, or more, quite across the field, width of three rods, or more, quite across the field, ed selenite; i. e. calcareous earth united to the phos- and during the winter, in which there was but little phoric acid. Almost all contain a small and varia-ble proportion of common salt, Glauber's salt, and harvest there was an excellent crop of rye, except on the moistened and wet parts above mentioned, where there was produced a very stout crop of When I recollect that I for several years obtain-cheat. In the wet part there was scarcely a head of out having been applied, as far as I can learn, to ed leached ashes, of which I used many thousands rye; but towards the edges, un that merely moisany beneficial purposes of agriculture. In looking of bushels, from the soap boilers of Philadelphia, tened, the rye was more or less prevalent, while in ed leached ashes, of which I used many thousands rye; but towards the edges, un that merely mois-

3d. On my own farm, I had a piece of good ara country. With a view to excite practical men in ries may be made of the efficacy of coal ashes in ble land, rather dry; the timber on which had been our own country to an examination of the subject, the improvement of our lands, that may serve to cut off some years before I purchased it, and a young growth of white pine, hemlock, maple, and almost every other kind of hard wood common to the country. In June, I had the bushes all cut down in one direction, and they were so thick as to cover the surface to a considerable depth. I did this in order to obtain a good burn over the whole surface, on which the success of the first crop, in that country', materially depends. By accident, in a great drought, fire was communicated to it, and almost every stick on the whole (about two acres.) was consumed. I sowed it in autumn, with a par-ticular kind of choice and clean wheat. The fire American Farmer, and furnished me by a particu- had so completely destroyed the seeds in the soil, that nothing, not even the fire-weed, grew on it, but the wheat, which being so clean and excellent, my neighbours besought me to let them harvest it for me, that they might obtain some of the seed. By this means the harvesting happened to be deknown in different parts,) "is familiar to every one. layed until it was rather too ripe, and the ground Nay, there are some so strangely credulous as to was covered with wheat in every part too thick for common seeding. I nevertheless determined to make out the word) with the name of belief,) that plough it in, and try by this means for a second crop. our cultivated flax is often changed into a plant, But being disappointed, in help, the seed lay on the surface undisturbed, until a rain came, and it sprouted, took root and grew until the whole became as green as a meadow. I was at that time amusing myself on the question of the volition of plants, and I am not ready to yield a tacit assent to all the having occasion every day to pass along the side of vulgar errors prevailing among farmers, though I this ground, to visit some patients in that direction, am certain that at least some of them originate in I had full opportunity to observe the descent of the radicles, and the ascent of the plumules from the germinated, and I began to hope for a small crop stated. Now, admitting that, as is probable, the stalk is killed down to the root in winter, would not the new shoot, if any, (and these could have but one set of roots, being on the surface,) springing from the root, be less perfect?* I cannot say how it is; but for the above facts I can avouch the truth, and will add another which I heard several times repeated by a gentleman, on whose veracity I can, mation that seldom falls to the lot of a plain, prac-2d. A field of rye was sown on a gentle declivity, tical farmer, as he was. He showed me a piece of thich appeared very promising in October. It was land which he said he had sowed in oats, but by

* Something like this takes place with the Russia

No. 47. -vol. 8.

very rank; but was never fed off, as he had abun two rows. From three to five seeds ought to be dance of good pasture elsewhere, and never approved of pasturing his meadows, of which this are not uncommon with this kind of seed. After bleaching and cutting, after the first flowering stem was a part. He re-sowed it with grass seed, but they have come up, all the plants or stools may be is cut off, it will send up another, and flower, and was a part. He re-sowed it with grass seed, but whether in winter, on the snow, as is the most common practice in that country, or whether he ploughed and sowed it in a spring crop, I have forgotten; but my impression is the former; for the second year it bore a heavy crop of cheat, and the third or fourth year, amongst the grass, there appeared about a half crop of well headed rye, pretty evenly distributed over the whole. He said it could not he from cattles as they were never allowed to run. April, or from that to the tenth. be from cattle, as they were never allowed to run April, or from that to the tenth. there, and if they had, they never had opportunity to eat rye. Some years after having heard this, I if circumstances be favourable to its growth, will ought to be cooked and served up very much in the related it to another farmer, who said he had seen send out large, coarse, thick sea green leaves, which style of asparagus, excepting that it requires rather something like it on his own farm, and neither of the most decount for the production of the rye. Some of the most vigorous stools or plants, will I acknowledge that I have not absolutely proved that wheat, &c. changes to cheat, though the evidence is such as to convince me, for the present, who plant will appear as if about to perish. Some I have generally thrown a wheelbarrow full of hot offer the present, who plant will appear as if about to perish. Some I have generally thrown a wheelbarrow full of hot and in my opinion, far better than any thing I have either seen or heard, to induce any one to assume the negative side of the question. But before I should be covered pretty thick with sea-weed, long to conclude, I will just observe to the Doctor, that litter, tan, or some similar substance calculated to forced, is an carthen pot; which will keep the mathematical tilled reach a result of the contact with the plant; and, winter killed spots in grain fields, and knows that in most soils, if wheat be sown on its own, or on cats stubble, it will be very apt to abound in cheat, it is best to have clean seed; for cheat will produce in the autumn, (denuded of its leaves, as before detailed in the contact will be contact with the plant; and, hand, the earth may be heaped around each plant, at the same time, be a better conductor of heat than a wooden box. This liberal use of manure will occasion no loss, as it will be on the ground, it is best to have clean seed; for cheat will produce in the autumn, (denuded of its leaves, as before decheat again, for at least a year or two, and possibly scribed,) to mark its situation by a stick, that in den. furever, unless some circumstance favourable to a change should intervene.

N. CROOKSHANK.

Harrison, Ohio, Scpt. 8, 1826.

HORTICULTURE.

ON SEA KALE. .

(From the Memoirs of the Phila. Agricultural Society.) Princeton, N. J., Oct. 13, 1817.

pose of cultivating that delightful vegetable. I do pots in this place, I cover mine with wooden boxes, served that the seed dropped in the autumn, by the

on the sea coast, where it grows wild, in a light, apt to rot. sandy soil. Its introduction into gardens is a recent event. At present, I am informed, it is one of may remove the covering and examine the state of nute, perhaps unnecessarily so, that you might not the most favourite articles of cultivation in that country. It is one of the most tender and delicious One plant will furnish enough to fill a moderately

I have the honour to be, sir, with much respect, of all the numerous species of the brassica, or cab-sized dish. In cutting, great care ought to be taken your obedient servant, bage tribe, not excepting even the eauliflower. It not to wound the crown of the plant. It may be does not, like most cabbages, form a head; and it cut down to within half an inch of the old crown of RICHARD PETERS, Esq. would be both coarse and tough if it were not the last year. It should be cut but once in a seableached. It is a very early plant, being ready for son. Of course, when it is cut, the pot or box the table ten days or a fortnight before the usual should be laid aside, and the plant suffered to grow time of beginning to cut asparagus. Like aspara- in the open air, and run to seed, which it will do gus, it is percunial. When you have once formed every year, with great luxuriance. The bleached Mr. Skinner, a hed of the sea kale, it will continue to produce shoots, as they appear on removing the pot, are of a abundantly, when managed with tolerable care, for most brilliant white, and the tops of a most beautia number of years.

I received the first seed which I planted from John Lowell, Esq., of Massachusetts. From his

some accident most of them had, when ripe, been cd a long bed, slightly raised, and a little wider patience, by more vigour and productiveness after-left unharvested. A second crop came up and grew than a common asparagus bed, in which I made wards.

the process of uncovering in the spring, there might The plant ought always to be covered for bleachbe no difficulty in finding the plant, nor any dan-ling as soon in the spring as the frost is out of the ger of injuring it by an unintentional stroke of the ground, and before the vegetation starts.

ground, the covering of manure should be remov- rot the crowns of the plants, as they are very large ed, and dug round the plants, taking great care not and succulent. to wound or injure them. Each plant should then be covered closely with a garden pot, or a wooden the capsules. Mr. Lowell, however, advises that box, or a little fresh tan, or (which is said to be best some of the capsules be broken in sowing them. In of all,) some sea sand should be heaped over it to England it is necessary to sow the seed in the fall, the height of about one foot. Mr. Lowell uses an as it will not there come up the first year. In this My brother-in-law, Mr. Sergeant, informs me that you have expressed a wish to be furnished with some of the seed of the seed kale, for the purcount of the difficulty of getting proper earthern the seed be sown in the fall, as he says he has observed that the seed has a some of the seed be sown in the fall, as he says he has observed that the seed has a some of the seed has a some of the seed has a some of the seed has a some of the seed of the seed has a some of the seed has a some of the seed has a some of the seed has a some of the seed has a some of the seed has a some of the seed has a some of the seed has a some of the seed of the seed has a some of the myself the honour to send a parcel herewith, and shall be very glad if the product should answer twelve inches every way. Where none of these can be conveniently had, the common soil, providing your expectations. The sea kale, or crambe maritima, has been long ed it be dry, may be heaped over the plant. But if which I have extended my directons, that this veknown in those parts of Great Britain which border the season should be wet, the young shoots will be

The seed does not appear till the second year.

tender and delicious. A little melted butter is usu-

In the first, and every succeeding fall, the dead In the spring, as soon as the frost is out of the leaves should be earefully removed, lest they should

I have generally sown the seed without breaking

the season should be wet, the young shoots will be apt to rot.

About the middle of April, sometimes sooner, you the garden is more easily raised. I have been mi-

SAMUEL MILLER.

CULTIVATION OF THE POPPY FOR OPI-UM-DESCRIBED AND RECOMMENDED.

Sir-I have some Asia Minor wheat, and can most brilliant white, and the tops of a most beauti-ful violet colour. A more elegant vegetable I never saw.

Spare you a little. Can you get me any white poppy seed? In India I have known poppy land tax-ed twelve dollars per aere and more. The opium John Lowell, Esq., of Massachusetts. From his letter, and from my own experience, I am enabled to be too soon commenced. It ought in no ease to When the poppy heads, a vertical or longitudinal to offer the fullowing directions for cultivating this commence earlier than the next spring after sowing jucision is made at night; in the morning the juice the seed; nor even then, unless during the first sum-lit delights in a dry, sandy, hungry soil, and re-quires no manure. In rich and moist land it is said an extent of ground at least two feet in diameter. Thus incisions are made until no more juice exu-The best plan, in general, is to leave them near two dates. The juice soon becomes hard, it is formed to be apt to rot.

The seed should be deposited in rows, about years before the process of bleaching is begun; in into cakes, when a kind of paste and a few poppy three feet apart cach way. For this purpose I form- which case, like asparagus, they will reward your leaves are put over each cake. A more simple process cannot be; the children have a knife or piece meat, or as above, by adding strong gravy. It is covered with earth; and says, if it could be so concess cannot be; the enduren have a kine of pieces of iron, and scrape off the exudation into a shell intended, of course, to save the glaze.

They go from one poppy head to another;

Tomatas with gravy. This is simply stewing your produced at the incision, when it is buried in the the poppies are in rows about a foot wide, and the tomatas in a little good gravy till quite tender, walk between is about as wide; so the children can

easily reach to every poppy head.

This cultivation might even become an article of export. The consumption is very great here, and must increase with our population. I have looked at the Secretary's report, but cannot find opium amongst imported articles. You can ascertain the

price and estimate the quantity used. January 25, 1827.

[Present price in this market is \$3.50 per pound; probable annual consumption, about 100 cases of 33 pounds each.]

HORTICULTURAL ITEMS,

From Loudon's Gardener's Magazine-1826.

Remarkable variety of the Apple.-In the Annals of the Linnæan Society of Paris, for May, 1824, M. Tillette de Clermont Tonnere has described a rebe between thirty and forty years growth, has constantly produced flowers of one sex, and consequently barren. The flower is composed of an internal and external calyx, with neither stamens nor corolla. The female organs consist of fourteen styles, with oblique stigmas. At the time of flowering, it is customary for every young woman of St. Vaicry, to go and make her apple, by fixing a nosegay of the blossoms of any common apple tree, on a lust of those on the one described: this is attach has been the cause of producing. It is remarked that these fruits differ among themselves in flavour, that these fruits differ among themselves in flavour, this state they may be kept for years, or ground at they have in Upper Brittany of making butter, colour and size; and that they bear some relation once into flour. This flour, mixed with a third which is a little different from the American mode. to those of the different hermaphrodite trees, the part of that of rye, is said to make an excellent Should it be of any service to you, I shall feel much blossoms of which have been used in their fecundabread. The same author proposes to moisten po-gratified.

FRANCIS DA COSTA. notwithstanding attempts to fecundate the blossoms grind them and use them as coffee. artificially. Seeds sown have come up very well,

from an entinent French cook:

Tomata sauce for cold meat. Boil tomatas when ripe, rub them through a tammy cloth; to every lished on this subject by M. C. Bailley, of Paris; it quart of pulp add t ounce of garlick and I ounce of is in two parts; the first treating of the effect of ringshallots; salt to taste; boil half an hour; strain out ing on fruit trees in general, and the second of the the garlick; add to every quart half a pint of com-effect of ringing the vine. mon vinegar, and a wine-glass full of Chili vinegar;

let it stand a day or two before corking.

my, put them again in your stewpan, with an equal place on the upper margin of the wound, and by quantity of glaze, and reduce again over a sharp the diameter of the shoot, which, in the vine in cold, (or like glaze;) put them in a white carthen wound that it does below it. But in proportion as tation. pot; when cold, cover them with writing paper the shoots are benefitted by ringing, the roots are dipped in brandy; pour over some warm hog's lard, injured by 'the want of the regular circulation of fire. In the winter season, however, it is proper and cover all over with a bladder tied quite tight, the descending sap; the great art, therefore, is to pour a little sour milk into it, to make it coagualties.

A small piece added to a little gravy, or melted but-

full of vinegar mixed with it, quite hot, over them, be of great advantage.

way as a jam; add the juice of a lemon: this makes as possible; 2d. That transplanted things require no a very good towit.

Tomatas as dried fruit. The pulp may be reduced, say a pint, with a pound of fine sugar, till quite stiff; pour it on your tin; it must be dried in a stove;

does for ornament in the dessert.

Tschudy has made a great many experiments on of a finer and stronger quality than that of India. grafting trees and herbaceous plants, some of which The silk produced in Bavaria is in like manner said we have noticed in the second edition of the Eocyclopædia of Gardening. The pine and fir tribe he inocculates before the buds have pushed, which is in February last their twelfth anniversary. The Tillette de Clermont-Tonnere has described a refound to succeed much better than any other mode. King himself was present, and made a speech on Normandy. This apple tree, which they believe to on the briuny, the result of which was, fruit of the result of their efforts Land on the briuny. on the briuny, the result of which was, fruit of the result of their efforts had, notwithstanding the se-size of a citron, very sweet. The artichoke he verity of the climate, exceeded their hopes. grafted on the cardoon; the cauliflower on cabbage; love-apples on potatoes; and so on .- Ann. de l'Agr

Potatoes. Voltaire, it seems, was the first to call the attention of the French to this valuable tuber, METHOD OF MAKING BUTTER IN BRITin 1777; and after him, Parmentier and Cadet de

Preserving Potatoes in a dried state. Wash them. cut them in pieces; steep them furty-eight hours in ed by a piece of ribband in such a manner, that in lime water, then forty-eight hours in fresh water; autumn every one knows the fruit that her nosegay dry them in an oven. One hundred parts of fresh potatoes will give thirty, so prepared and dried. In tion. Grafts from this tree remain always barren, tatoes dried as above with olive oil, and then to

Primula Sinensis. This plant is greatly prized in but the plants are yet too young to produce blos-france and in the Netherlands, where, under the protection of glass, without fire heat, it flowers Tomatas. The following recipes were obtained most abundantly the whole year.—Annal. de la Soc.

Linn. de Paris, Mars, 1825.

1st. Ringing increases the diameter of the parts of trees, but not their length; a fact explained by churning. Potted Tomatas. Reduce your tomatas over the fire till they are quite thick, stirring all the time to The latter is arrested in its progress by the circular of milk must have begun; I mean its three parts Potted Tomatus. Reduce your tomatas over the the theory of the ascending and descending sap. ter, will make an excellent sauce for cuttets or of sufferance which the system of roots can undergo, without material injury. 2d. The effect of butter, and neither the whey nor the cheese part

soil, and thus dispense with the large ramorse roots keeping them whole; drain them on a sieve, dish often unfurnished with fibres, and which only serve them up, and pour a little half-glaze, and a tea spoon to consume the sap prepared by the leaves, it would

> other nourishment than water, and are injured by manure; and 3d. That too much care cannot be

taken to shelter them from the sun.

Culture of silk in Sweden. This it seems was atwhen nearly dry, cut in what shape you please; it tempted a number of years ago, and in 1823 it was renewed. The mulberry grows very well in some Grafting the Pine and Fir tribe. The Baron de of the provinces, and the silk produced is said to be

to be superior to that of Italy.

The Agricultural Society of Stockholm celebrated verity of the climate, exceeded their hopes.

RURAL ECONOMY.

TANY.

(From the Memoirs of the Phila. Agricultural Society.)

Nantz, 31st Dec. 1819.

Sir,-The recollection of your attention in showing me your cow establishment in Germantown, has suggested the idea of forwarding to you the process they have in Upper Brittany of making butter,

REUBEN HAINES, Esq.

Mode of making butter, as it is practised in the neighbourhood of Rennes, in Brittany, where the best butter in France is made.

Milk is composed of three parts, essentially different from each other; they are as follow:

tst. The aqueous part, called whey.

2d. The cheese part, which is substantial.

Sd. The butter part, called cream, of an oily nature, and which comes up naturally to the surface of the milk even before its decomposition

It is this cream that is turned out into butter by

keep them from burning; rub them through a tam incision, as is proved by the thick edge which takes must be exactly separated, as it happens when it begins to turn sour. Milk must necessarily be sour quantity of glaze, and reduce again over a sharp the diameter of the shoot, which, in the vine in before beginning to churn; but it is urgent to churn fire till you think the whole will be quite firm when particular, acquires double the thickness above the it as soon as it is sour, and not to wait its fermen-

It must have curdled and soured of itself without

chops.

Tomatas quite plain. Reduce as hefore, only be ringing vines which have ligneous stems, is similar contain any of it, yet it is necessary to thruw into the churn the three parts of the milk, and to churn more careful in evaporating the water from them; to that produced on fruit trees in general; and, the churn the three parts of the milk, and to churn the through a tammy, put them when cold into fruit bottles; they must be corked very tight of ringing those vines which are annually cut down; put the bottles nearly up to the cork to lower shorts, as is the case in most of the vine-in cold water, over a gentle fire, till they boil; then are still cold, take they boil; then are still cold, take they boil; then are still cold, take they bear they are still cold, take they bear they are still cold, take they bear they are still cold, take they bear they are still cold, take they are still cold, take they are still cold, take they are still cold, take they are still cold, take they are still cold, take they are still cold, take they are still cold, they are still cold, take they are still cold, take they are still cold, they set them on one side till cold; take them out and considers the practice disadvantageous, as weaken dip the cork in good cement, of bees' wax, rosin, ing the root; but he excepts certain cases, in which, the whole together, the acidity of the whey tem
2. This may be used in making sauce for cold as in provines, the shoots are annually laid down and pers the heating effects of the churning, the cheese

fresh out of the churn. It is to preserve that fresh to milk. taste, that in summer our butter women, as soon as they perceive the small globules of butter beginning ed every time it is emptied to churn again; it is to form, do not fail to throw into the churn (by the rubbed with a bunch of holly-oak, that scratches hole of the churn-staff, and without stopping the and cleans it well, and then washed again with cold churning.) some pints of spring water every ten water. minutes, that is, a pint to every fifty or sixty pints of milk; in winter, on the contrary, they add warm sour milk, and none of the utensils employed should water, which they pour in as soon as they begin to be or have been put to any other uses, for fear of churn, in order to accelerate the slight degree of spoiling the whole. heat necessary for the formation of butter; but when they perceive the first butter-globules forming round the churn staff, then they cease pouring warm water, and the temperature warns them from putting must extract its whey, that is sour; the means are any more cool water. Thus, to make butter, it is as follow: required-

ed, but not fermented.

and especially without warming it.

always uniform, avoiding to strike the bottom of the churn.

ment one begins to churn, and without stopping the milk. churning motion.

not necessary.

sweet milk not yet sour, but which it is wished to mode of churning the cream and milk of one milk-hard and hollow ware, wrought iron and steel,) for churn, it must be put into the churn with the curdled milk twelve or fifteen hours, more or less, according to the relative quantity, before beginning to churn, in order that the part of sweet milk which was added be entirely curdled.

Sth. This mode is, no doubt, much longer than when the cream alone is churned; for one must churn during about two hours in the most favourable season, and it is common in winter to take four hours churning to have your butter made.

Preparation of Butter.

When butter is made, if the weather be hot, it is well after having gathered it in the churn, to let it There is much difference of opinion, as to washing cool about two hours; but when it is very hot weather, as that time is not sufficient to cool it, it is tities; or working it out entirely by the ladle. Sucwell to put it in a very cool place during some buttermilk out of it.

It is by kneading and turning repeatedly with a wooden box spoon, in a beech dish made out of one of carefulness in attending to the cream collecting piece, that the women about Rennes extract the for churning. The vessels or cream pots should preserving and relishing it.

ter from adbering.

to observe the most scrupulous cleanliness in it, but motion. Moderate movement is always the best cents per thousand per mile.

The churn is made of chestnut wood; it is scald-

The pots and churn must keep no smell of the

Buttermilk.

In order to keep this buttermilk many days, one

In the lower extremity of the churn level to the 1st. That milk must have been curdled and sour- bottom, an opening must be made, that is, shut by a peg of about three or eight lines in diameter: af-2d. That milk must have been naturally soured, ter the butter is taken out of the churn, it is left without any help but a small quantity of sour milk, to settle some time, to let the whey have time to nals; and have appointed the following gentlemen separate from the curd; then one takes out the peg Collectors, viz: 3d. That all the milk should be put into the and makes all the whey run out into a basin, taking churn together, and churned without extracting any care to put the peg in as soon as the curd comes out. This whey is given to the hogs. If all the 4th. That the churning should be continual and whey is not out of the churn, and the curd has a sour taste, one throws some pints of cool water in the churn, takes out the peg, and the water runs 5th. That churning, without interruption, com out, carrying with it the remaining whey. This Rates of toll established by the Board of Canal Communicates to the milk a slight degree of heat, which milk may remain in the churn many days without is necessary, and which in winter may be accele- any inconvenience; it may be given to hogs, to rated, by adding some warm water from the mo- horses, and even to calves, mixed with a little sweet

6th. As soon as we perceive the little globules of tioned process is of an excellent quality, and supewith spring water, if in summer, for in winter it is found in the Philadelphia market. I have been told when in England, that in some counties, as well 7th. If, when we wish to churn, we have some as in some counties in the south of Ireland, the ing, altogether, was in general use.

FRANCIS DA COSTA.

[In Europe few, if any dairy farms, possess the great advantages we derive from our milk-houses lesser distance, tive mills per ton per mile! and for built over springs of water; and substitutes are resorted to, for cooling the butter and keeping the ton per mile. milk, unusual with us. I have seen the milk, in large cheese dairies, churned without suffering it to rest, as we do, and throw up cream. Butter, too, is made from the fresh or new milk, of excellent mills per ton per mile; and for each mile in addition quality. But it is questionable whether or not our to 100 miles, five mills per ton per mile, mode be not the most economical and convenient. out the buttermilk by cool water, in moderate quancess attends both modes practised by intelligent in addition to 50 miles, three mills per ton per hours, till it is very firm, in order to extract the dairy women. The hand should be applied spar-mile. ingly, if at all; the ladle (of wood,) being far pre-ferable. There is, too generally, a great omission buttermilk; leaving it now and then to rest and (in warm weather,) be kept in proper places, sur- and for any distance in addition to 50 miles, five grow hard, and then beginning again till it does not rounded by cold water; and it is indispensable that mills per ton per mile. grow hard, and then beginning again this to does not yield any buttermilk: it is only in the last extremitation and for any lesser rods or a flat spatula, twice every day. This is distance, two cents per ton per mile; and for any lesser ton per mile; and for any lesser ton per ton per mile; and for any lesser ton per mile; and f out of it: they put nothing in it, but some salt for The chemical reasons for this operation would, per mile. perhaps, be unnecessarily theoretical. The oxygen All the utensils employed for milk must be care-constantly, but not violently, in the churn—the per mile. fully washed with boiling water every time they sooner its conversion occurs, and the more valuable bave been made use of, then washed again with is the butter. Churning by water or machinery, one cent per hundred cubic feet per mile. cold water, and exposed to the sun, to prevent them often agitates the cream too violently; so that the getting a musty smell It is necessary to remove oily parts are not sufficiently oxygenated. An inju-thousand per mile. from the dairy all disagreeable or strong smells, and rious fermentation is also produced by the violent

part helps the separation, and the butter comes without humidity, which would give a mouldy taste either with the churn-staff, or dashers. I was obliged to attend to these circumstances when I had a very large dairy. R. P.1

INTERNAL IMPROVEMENT.

OHIO CANALS.

At a late meeting of the Board of Canal Com-missioners, General Thomas Worthington was appointed additional acting commissioner. We understand that he will superintend the surveys about to be made on the southern end of the Ohio Canal, and should any part of this section of the line be put under contract in the ensuing season, that he will superintend its construction.

As it is expected that part of the cauals will be completed by the 1st of July next, the Board have established the rates of toll to be paid on the property to be transported on the Ohio and Miami Ca-

> SAMUEL M'HENRY, J P. REYNOLDS, D. H. BEAROSLEY. WOOLSEY WELLS, MAHUE FOLGER,

Cincinnati. Middletown. Cleaveland. Akron Massillon.

missioners, to be paid on property transported on the Ohio and Miami Canals.

On flour, meal, whiskey, all kinds of grain, and all other agricultural productions (not otherwise The butter made according to the above men-provided for,) salted provisions, domestic animals, pot and pearl ashes, and on salt, for the first too butter forming, we must then think only to cool, rior to the best Wonderly's butter, in the spring, miles, or any distance less than 100 miles, one cent and five mills per ton per mile; and for each mile in addition to 100 miles, one cent per ton per mile.

On merchandize, (including dry goods, groceries, the first 100 miles or any lesser distance, four cents per ton per mile; and for each mile in addition to 100 miles, three cents per ton per mile.

On mineral coal, for the first 100 miles or any each mile in addition to 100 miles, three mills per

On gypsum, brick and lime, for the first 50 miles or any lesser distance, one cent per ton per mile; for the second fifty miles or any part thereof, seven

On staves and heading, stone for building, stone for lime, for monuments or tomb stones, sand and grind stones; for the first 50 miles or any lesser distance, five mills per ton per mile, and for each mile

On iron ore, for the first 10 miles or any lesser distance, two cents per ton per mile; and for any distance in addition to 10 miles and not exceeding in the whole 50 miles, one cent per ton per mile;

it in cool water in order to extract the buttermilk highly advantageous, and not generally attended to distance in addition to 50 miles, one cent per ton

On boards, plank, scantling and other sawed They never touch the butter but with the wooden of the air is essential to the preparation of the stuff (reduced to inch-board, superficial measure,) box spoon, which must be impregnated, and also cream; or the conversion of it to butter in the for the first 50 miles or any lesser distance, one the dish, with some light brine, to prevent the but-churn. The more the particles are exposed to the cent per thousand feet per mile; and for each mile influences of the air, gradually in the cream pot- in addition to 50 miles, five mills per thousand feet

On timber, squared or round, for any distance,

On shingles, for any distance, two mills per

On posts and rails fencing, for any distance, three

On wood for fuel, for any distance, one cent per cord per mile.

On boats made and used chiefly for the transportation of property, two cents each, for each mile of their passage.

On boats made and used chiefly for the transportation of persons, twelve cents on each boat, for each mile of their passage.

On all articles not enumerated, for any distance, three cents per ton per mile.

LADIES' DEPARTMENT.

(From the Ariel.) MENTAL IMPROVEMENT.

"The form atone let others prize, The features of the fair. I look for spirit in her eyes, And meaning in her air."

ed to marble in the quarry, which shows none of only way to charm long, is to secure mental imits inherent beauties, until the skill of the artist provement. Mere personal beauty may fascinate smooths and polishes the surface, and discovers the inconsiderate for a day; but like the ephemeral every ornamental spot, cloud and vein. The mind flower, it fades, and leaves none of its former deoften would pass unknown, were it not for the developing influence of education. The mental powers are not only brought to light by education, but they are improved and strengthened, just as any of the locomotive organs are by exercise. And as mental strength and energy are preferable to corporeal,

ble prejudices; it liberates us from errors, which, nine, then teach her the horn book, and let her practhrough ignorance, blind the intellectual eyes of tice for three or four years at such reading as may many, and enable us to view things and principles be selected for her by Mary, the maid of all workin their proper light. Nothing can be more unfa the said Mary taking especial care that Miss is her

Shall ne'er my wishes win; Give me an animated form. That speaks a mind within."

Dear females, let not the season of youth be barren of improvements, so essential to your future worth and felicity. In youth, the character of every one, and especially of females, is in their own power, to give it in some degree whatever complexion they will; hence, in some measure, they have the direction of their own fate. Youth is the pro-per season likewise, for cultivating the humane and benevolent affections, and of subjugating and training the passions; for whatever impressions are made on the mind in youth, will generally be most permanent in subsequent life. And, whatever may be the situation in life, nothing can be more necessary witches, ghosts, and goblins coming down chininey, access of which is at a period of about his half to peace and happiness, than the acquirement of virtuous dispositions and habits. These in part if they behave well, nothing can harm them Such but death; and that remedy should, on every ground may be acquired by reading biography: "for by obearly acquaintance with human nature, extend our whereas, it is not often becoming for a little boy to tice. of judgment, as others obtain only by experience." Iness.

A frequent association with good company is essential to give an elegance of manners, and thereby add to mental excellence. But company without mental improvement, cannot give the value and interest to individuals, which is so desirable; it alone cannot render them good companions, good parents, and good citizens. The one is useful to us only in the higher walks of life; the other will be a treasure to us, even if our lot should place us in the earth-built cottage of the forest.

"But Oh! where both their charms unite. How perfect is the view. With every image of delight, And graces ever new '

When females have it in their power thus to adorn themselves, and increase their own worth and happiness, how careful should they be to improve each opportunity to the best advantage, and how justly in after life, may they censure themselves, if they The human mind has been handsomely comparted. No remark can be more true, than that the and will be bright in the evening of life, when all transient heauties have passed away. SENEX.

RECIPE FOR FINISHING A YOUNG LADY.

Take a daughter of a cheese-monger, a tallowso will be the inducements to cultivate and prac- chandler, or any other tradesman, who has some tice those means, calculated to produce that effect. | money but not much information, and if she be an Science, as well as a knowledge of men and the only child, so much the better for your purpose .world, contributes to divest us of many unreasona- Stuff her with pum cake, and praise her till she be vourable to the character of a female, than those confidant in all her little matters in the sweet-heart long as that immense continent of America, so little prejudices which result from ignorance, and ing line. When she enters her thirteenth year, send long as that immense continent was unknown to Euwhich represent objects to the mind with erroneous her to Miss Diddlefidget's "Establishment," to be rope. The fox, past all question, naturally, if not impressions, and poison it with extravagant super finished. Here she must read a little, and spell scientifically, a member of the canine genus, we prestitions.

Some; but avoid every thing like grammar as a sume must have been equally unknown. Dogs programs as a sume must have been equally unknown. Dogs programs as a sume must have been equally unknown. Dogs programs are sume for create in their first year, and the bitch carries ber affords a constant fund for conversation, without parley woo play tail," and she is Frenched. Strum young, perhaps never, except accidentally, less than descending to those trivial discourses, to which the her up six octaves and a half of the pianar, and sixty-two days; but generally a few days longer,—uninformed necessarily are obliged to resort. Not down again, and make her look charming at the She produces about half a dozen whelps ordinarily; only does it thereby elevate its possessor above the barp, and she is Musicked. Inform her that Tamer- sometimes as many as a dozen; at others, only two ignorant; but it gives animation to the countenance lane succeeded Charles XII. as the Emperor of or three. In these respects, the dog and cat agree and air, without which none can be really beautiand arr, without which signifies elegance of form, and softness of the banks of the Macquarrie river in Nova Zenubla, general lover, and her taste, when small, for the of expression, without the sacred inspiration which and she is completely Historified. Tell her that the mind alone can give?

"A damask cheek and ivory arm,

"A damask cheek and ivory arm, let her give a whirl or two to the globe, and point out the longitude of the Arctic Circle and the latitude of the Equator, and she is Geographied. Make ters, should be gradually destroyed, since both out the longitude of the Arctic Circle and the latiher waltz for three hours in the week with a French town and country are so overrun with useless, staryvalet out of place, and she is Attitudinized. The ing, and miserable curs; and the same salutary and other accomplishments may be obtained for money, without any exertion on her part. So much for cats Litters of sporting and valuable dogs should "heddication." London Sunday Times.

THREE FAULTS OF NURSES.

in an endearing tone would please as well; the re- much as possible from the kitchen and diary verse should be: the voice clear, emphatic, each if they cry; whereas, children should be taught that superstitions impressed upon young minds, are rare- of commiseration and prudence, both for the brute servation and reflection upon others, we begin an ly got rid of. 3d. To direct a child to act like a man; and human race, be administered on the first noviews of the moral world, and are enabled to ac ape the man, but only to conform his demeanour to quire such a habit of discernment, and correctness his age: every age has its own peculiar decorous

SPORTING CLIO.

THE DOG.

From the strong instinctive attachment of the Dog to the human race, his fidelity and multifarious uses, the conjecture is by no means incongruous, that he was the first animal subdued, or invited and admitted into the social contract, by Man. 'To illustrate this position by an example, quite pat to our common sense and experienced feelings-suppose a section, large as you please, of an unfurnished, uninhabited world, upon which should drop down from the clouds, or arise from the depths of the earth, simultaneously, a man and a dog, within one hundred yards of each other, what would be the result?-why; the dog immediately after the alarm of his descent or ascent should have subsided, would cast his eyes and his regards towards the man; and suffer the golden hours of youth to pass unimproving a little space of time, lowering his head, and puted. No remark can be more true, than that the ting forth his feet leisurely, would advance with cautious and measured steps, towards his future master by legitimacy and divine right, and, wagging his tail, lick the hand advanced to him. A few words to the purpose, are as good as a thousand; uneducated, has inherent qualities and powers, which lights; while beauty of mind increases with age, and we flatter ourselves thus to have settled the matter, almost equally as well, as if Buffon himself had settled it.

Our present races of Sporting Dogs are thus distinguished and denominated: Hounds—the Bloodhound, Stag and Buck Hound, Greyhound, Fox Hound, Terrier, Beagle, Harrier, and Lurcher .-Gun Dogs-the Pointer and Setter, Land and Water Spaniel, the Newfoundland Dog and Poodle.
The Shepherd's Dog, Mastiff, Vermin Cur, Fox

Cur, Draught Dog, Turnspit, Bull Dog, Dalmatian, Italian Greyhound, French and German Lap Dogs, English Comforters, Dutch Pugs, Cur and Mongrel varieties.

The Dog, as well as the Horse, seems to have

Of the common, or merely favourite breeds of humane rule should be observed with respect to be culled, and the underling or ill shaped whelps put out of life, in which they cannot be wanted .-The remainder, in order to confirm and assure their worth, together with the bitch, should be kept per-1st. To lisp in baby style, when the same words feetly dry, warm and clean, and be well fed, and as

The dog lives to twenty, or even twenty five years syllable articulated, for imitation. 2d. To tell of of age, and his chief maladies are the Distemper, the growth; and Madnesse for which there is no cure

> In the D stemper the puppy should be kept dry and warre, and his food and medicine should be of [Galaxy. the cooling and aperient kind, at the same time,

the poor animal's tongue sore, in order to humour a groundless old woman's whim. On this affair and various other particulars, which however useful, it is impossible to enlarge in this work, we refer, once for all, to the British Field Sports. The dog should have air, exercise and grass, and particularly, if high fed and indulged, should be purged two or three times in the year, and as often as necessary have sulphur mixed with his water. Warming and combing should not be neglected. With such care, his health, hilarity and cleanliness are assured, and much disagreeable trouble avoided.

vegetable articles—oat-meal, fine-pollard, dog-bis- the contrariety of the opinions of those who have has been more than twenty times less than in Engcuit, potatoes, carrots, parsnips-soups made from investigated this matter. the above, or with sheeps' heads and trotters. It should be remembered that dogs, feeding so much than by stating the practical result of different counupon the firm substance of bones, which they break tries, in attempting to relieve their poor. In Engwith their teeth, are almost always troubled with land, since the middle of the last century, it appears the system sought to be established by this bill, constipation of the bowels, whence occasional laxatives are necessary to them; and also that the teeth provision has been made, and much faster than the Its provisions are such that it could not be carried of aged dogs are so much worn, as to require meat population. of easier mastication than in their youth, or they cannot be kept in good health and condition. With respect to medicine, it is a long experienced fact, that nothing agrees better with the constitution of the dog and cat, than sulphur and calomel, and nothing is so easy of administration. The sulphur may be given in milk or water, and the calomel, either in the same way, or more surely, enveloped, two or three grains or more for a dose, in a piece of flesh. [Sportsman's Repository.

SPORTING BOOKS.

New York, Jan. 28, 1827.

JOHN S. SKINNER, Esq.

Dear Sir-Will you allow me the sportsman's corner of your valuable paper, to convey to your numerous readers, that the following sporting books may be had at Wm. A. Colman's Literary Reposi-

tory, 86 Broadway, New York.

SCOTT'S SPORTSMAN'S REPOSITORY-comprising a series of forty highly finished line engravings, representing the Horse and Dog, in all their varieties, from paintings by Marshall, Reinagle, Gilpin, Stubbs and Cooper; accompanied with a comprehensive historical and systematic description of the different species of each, their appropriate uses, management, improvement, &c. interspersed with anecdotes of the most celebrated Horses and Dogs, and their owners; likewise a great variety of practical information of training, and the amusements of the field. 4to. London price, 31. 3s.

To enable any gentleman to remit the amount for a copy, 15 dollars only will be charged. Also, a

few copies of

SCOTT'S BRITISH FIELD SPORTS, with thirty-four fine engravings, embracing practical instructions in Shooting, Hunting, Coursing, Racing, Fishing, &c. with observations on the breaking and training of Dogs and Horses; also on the management of Fowl- "That the managers consider such institutions highing pieces, and all other sporting implements. In ly necessary for the blind and infirm, that have met \$10 single copy; or \$19 for two copies.

CAL TREATISE ON HORSES, and on the moral duties would not be a charge; they calculate on being kept of man towards the brute creation—comprehending a considerable time before they acquire an order of the choice, management, purchase, and sale of every description of the Horse; the improved method of cause."

with a plentilul dish of salad, onion according to the season.

Drink—Water on all occasions.

The house in which they lived was shoeing; medical prescriptions, and surgical treatment in all known diseases. 2 vols, thick 8vo. third of employment in this county, has increased the is 4d a day, came from the rent of three houses in

ceived; and orders promptly attended to for any! In 1824 the secretary of state in New York re-the gave nothing.

nourishing. As to worming the puppy as a preven-tive of the rabies or madness, it is merely to make ders forwarded the first of every month—by WM. A. COLMÁN 86 Broad-way, up stairs, New York.

MISCELLANEOUS.

MR. LATHROP'S SPEECH

support and maintenance of the poor.

Mr. Lathrop said, he was as willing as any one, to have the wants of those who are unable to support themselves attended to; but he believed there

He thought he could not better explain his views the public treasury. that pauperism has increased just as fast as legal will not answer the purposes intended by its friends.

Years.	Expenditure.	Wheat, per bushel.
1750	l. 718,000	4s. 2d.
1760	965,000	5 10
1770	1,306,000	6 5
1780	1,774,000	5 11
1790	2,567,000	6 4
1800	3.861,000	10 2
1810	5,407,000	12 4
1820	7,829,594	8 8

The population of England in 1750, was 7,500,000; and in 1820, about 11,000,000. In Scotland the support of the poor is left principally to voiun tary benevolent institutions.

Per cent. of Paupers' Expenditures in 1817. Scotland, l. 119,000 England, 25 6,915.247

Public pauper expense in New York for the Expense. Year \$245,000 1815 1819 - 368,645 470,000 1822

In New Hampshire.

Years.	Expend.	Pop.	Per cent. of paupers
1800	\$17,000	183,858	3-10ths of 1 per cent
1820	80,000	244.161	1 per cent.
		In Marsachi	nantte

523,287 No. of paupers 7,000 In Bucks county, Pennsylvania

Years.		0 413 () , =		o. of paupers.
1817	-	-		130
1819	-	-	_	183
1821	-	_		206
	Lanc	aster co	intv.	

							Expenses.
1816		-		-		117	\$16,497
1817	-		-		-	129	16,982
1821				-		212	15,851
1824	-		-		-	208	16,051

The report of the Franklin county poor house is, one large volume, 8vo, London price 1l. 18s. Price with misfortunes, and have not wherewith to support themselves: at this time (1823) we have a JOHN LAWRENCE'S PHILOSOPHICAL AND PRACTI- number here, that, if there was no institution, they

edition, with large additions. Price \$6.

Sporting Prints of every description, just rethan when maintained in the different townships."

rant the assertion, that at least 1,585 male persons were reduced to that state by the excessive use of ardent spirits, and of consequence, their families (consisting of 989 wives and 2,167 children) were reduced to the same penury and want-thus presenting strong evidence of the often asserted fact, that intemperance has produced more than two On a motion to indefinitely postpone a bill for the thirds of all the permanent papperism in the state: and there is little hazard in adding, that to the same cause may be ascribed more than one half of the occasional pauperism."

In Scotland, where knowledge is diffused among The food of the dog, regularly fed, should be had been a very general mistake in every country, all, industry thus encouraged, the few poor they two daily portions, however small, of some kind of flesh. With this may be joined farinaceous and dent from the different systems in operation, and charitable institutions, the expense for many years dent from the different systems in operation, and the proper more than twenty times less than in English that the charitable institutions, the expense for many years than the different systems in operation, and the proper mode of their relief. land, with her hereditary paupers, supported out of

From this, Mr. Speaker, it clearly appears by into effect without great inconvenience to the commissioners, and great expense to your counties. All that appears to me to be necessary, is so to change your laws gradually, that voluntary charitable in-stitutions, in which there is strict economy, may take charge of the poor and really necessitous, and with kindness administer to their relief.

LIVING IN SPAIN.

A family that I got acquainted with in a provincial town in Spain, gave me an account of their expenditure. They were decent people, and though with small means, were visited by the rich. Their house was the resort of very agreeable company. The family consisted of a man and wife, their two daughters (grown up) and a maid servant.

DAILY EXPENDITURE.

(The pound of meat in Spain is \$2 ounces Half pound of beef,) s. d.	-/
Half pound of bacon, Half pint of peas,	
One onion,	
One cabbage, salad, &c. 0 4 Thre pounds of fine bread, 0 4	
Fuel, 0 3	
1 4	

MANNER OF COOKING.

Breakfast, at eight o'clock.-The beef, bacon, peas, onion, and a little spice, boiled for an hour in three pints of water, and the broth poured on a pound of bread, cut in thin slices. They take this soup with mint finely privdered.

Dinner, at one o'clock .- The same meat and peas boiled again for two hours with a cabbage, or piece of pumpkin, about 5lb. weight, seasoned with pepper. The broth of this second boiling put on sliced bread, and boiled separately for half an hour. This soup is served up first, then the cabbage, and then the bacon.-N. B. If there are any children, this bacon is squeezed between two slices of bread for their

Supper.—The same beef chopped or minced, and put to boil for an hour, with tomatoes, capsicum, or a head of garlic, with two spoonsful of oil, finishing with a plentiful dish of salad, onions or cucumbers,

The house in which they lived was their own; and Delaware county.-"The establishment of a house their income, which was very little more than the number, or from some other cause, there is more the town, their only property. They had expectathan when maintained in the different townships."

HIGHEST RELATIVE STRENGTH OF MATERIALS.

Metals	
	Force of a square inch
	in lbs. avoirdupoise
Steel, razor temper,	. 150,000
Iron wire, .	. 1t3,077
Copper ditto,	61,228
Platinum ditto, .	. 56,473
Silver ditto, .	. 98,257
Gold ditto	- 30,888
Tin ditto,	7,129
Lead ditto.	3,146
Antimony (cast)	1,060
Woods	
Lance wood,	24,696
Locust tree,	. 20,582
Ash (Frasinus) .	. 18,915
Oak,	. 17,820
Beech,	. 17,709
Arbutus	17,879
Teak,	14,220
Alder,	. 14,186
Mulberry,	, 14.054
Elm,	. 13,489
Pitch Pine, .	. 13,176
Fir,	. 13,000
Larch,	. 11,093
Plum,	. 12,782
Willow,	. 12,782
Mahogany, .	12,186
Chestnut (100 years in	
Maple,	10,584
Poplar,	6,641
Cedar,	4,973
Miscellaneous	
Hemp fibres, glued toge	
Paper strips, glued toge	ether, \$0,000
Ivory,	• 16,626
Slate (Welsh) .	. 12,800
Plate glass,	9,420
Marble (White) .	. 9,000
Horn of an ox, .	7,667
Portland stone, .	. 784
Brick,	'. 300
Plaster of Paris, .	. 72
Mortar of sand and lim	ne, sixteen
vears made	. 50

INSTINCT AND REASON.

instinct differs chiefly in degree from reason:-A currants. few years since, a pair of sparrows, which had built in the thatch roof of a house, at Poole, were observed to continue their regular visits to the nest lung ing out some of the whites, a little mace and rose after the time when the young birds take flight water. This unusual circumstance continued throughout the year, and in the winter, a gentleman who had all along observed them, determined on investigat-He therefore mounted a ladder, ing its cause. and found one of the young ones detained a prisoner, by means of a piece of string or worsted, which formed a part of the nest, having become accidentally twisted around its leg. Being thus incapacitated from procuring its own sustenance, it had been fed by the continued exertions of its parents.

[Zoological Journal.

PLATE POWDER.

In most of the articles sold as plate powders, under a variety of names, there is an injurious mixture

ever, the plate be boiled a little in water, with an is undergoing a change, as certain as the change of ounce of calcined hartshorn in powder to about the seasons-and it behoves us to adapt, as readily three pints of water, then drained over the vessel in and promptly as may be, our institutions, to make which it was builed, and afterwards dried by the the transit as easy and as safe as possible: we mean fire, while some soft linen rags are boiled in the li the transit from large possessions, well disciplined quid till they have wholly imbibed it, these rags will and profitable slave labour, elegance of manners when dry, not only assist to clean the plate, which and luxury of living, to the condition in which must afterwards be rubbed bright with leather, but estates will all be cut up. Slavery will disappear, also serve admirably for cleaning brass locks, finger from its having become like the Indian's gun, costplates, &c.

RECIPES.

FUR YOUNG HOUSE KEEPERS.

COMPOSITION CAKES.

One pound of flour, one of sugar, half a pound of butter, seven eggs and a gill of brandy.

LOAF CAKE.

Five pounds of flour, two of sugar; three quarters of a pound of lard, the same quantity of butter; one pint of yeast, eight eggs, one quart of milk; roll the sugar in tlour; add the raisins and spice after the first rising.

TEA CAKE.

Three cups of sugar, three eggs, one cup of butter, one cup of milk, a small lump of pearl ash, and make it not quite so stiff as pound cake.

One pint of dough; one tea cup of sugar, one of butter; three eggs; one tea spoonful of pearl ash, with raisins and spices.

SOFT GINGERBREAD.

cream, one of butter; one table spoonful of ginger, polish of manners, and the highest degrees of inteland one tea spoonful of pearl ash.

One pound of flour, quarter of a pound of butter, two eggs beat, one glass of wine, and a nutmeg.

Three pounds of flour, two of sugar, one of but-ter, eight eggs, with a little carraway seed; add a little milk if the eggs are not sufficient.

SOFT CAKES IN LITTLE PANS.

One and a half pounds of butter rubbed into two pounds of flour; add one wine glass of wine, one The following fact goes far towards proving that of rose water, two of yeast, nutmeg, cinnamon and

DIET BREAD.

One pound of flour, one of sugar; nine eggs, leav-

WONDERS.

Two pounds of flour, three quarters of a pound of sugar, half a pound of butter, nine eggs, a little mace and rose water.

[A recipe more valuable than any of the above.-To preserve the powers of digestion and a sound

KMBR.

BALTIMORE, FRIDAY, FEBRUARY 9, 1827.

of quicksilver, which is said sometimes so far tupenetrate and render silver brittle, that it will even ber we made some hasty remarks on the prospects break with a fall. Whitening, properly purified of Maryland, supposed to be applicable to some taught during the year 1826; the general average from sand, applied wet and rubbed till dry, is one other states. The colours of the sketch were glood instruction having been about 8 months. of the easiest, safest, and certainly the cheapest of my, and we would fain hope, if we could, that they all plate powders; jewellers and silversmiths, for were not "true to the life;" but further reflection which more than 2000 scholars are taught, viz:

ing more than it comes to; a condition, in which every mother's son, as in the country of New England, must put his own hand to the axe and the plough-and every mother's daughter must give up her silks and her satins and betake herself to the churn and the wheel. At present we are in that point in the transition which produces melancholy and weakness. We are just casting the slough; we may anticipate the time when the state will be far more populous, and of course physically strongerwhen it will consist of small farms well cultivatedwhen every man, as in New England, will make his own cheese and drink his own cider. Since the settlement of the vast and so much more productive new regions of the west, we can no longer. with slave labour, make grain, nor tobacco, nor pork, nor beef, nor horses, nor mules, against western Pennsylvania and western New York and Kentucky, and Ohio; especially when the canals shall have been constructed, and in their course the mountains shall have melted away. Let us be prepared, then, for the change. We are in the way of one of those kinds of revolutions that never go backward. Above all things, the most essential and salutary provision for a dense and hard working population is, we repeat, to place in every family's reach the means of a sound and substantial education. Six tea cups of flour, three of molasses, one of every one who has tasted the blessing, the highest lectual cultivation may appear indispensable to social happiness; but for the strength and safety of a nation, perhaps that political condition which gives the greatest proportion of plain well informed labouring people, is the better. But mere unenlightened brute force, however numerically strong, is always weak, because it is ever in danger of corruption from abroad, and of internal dissention and viulence.

We hold up to other states the example of New York, and some idea may be formed of what has been accomplished there by enlightened legislation, by the following extract.

(From the Albany Argus, Jan. 24.)

Common Schools.—The Secretary of State yesterday presented to the House of Assembly, the annual report required of him as superintendant of common schools.

It appears by this report, that of the 723 towns and wards in the state, 721 have made reports according to law, and that only two towns are delinquent, and that one of these delinquencies was oc-casioned by the death of the town clerk.

That there are in the towns which have made report, 81t4 school districts, and consequently the constitution, and the means of obtaining solid com-like number of common schools organized; and that forts, abstain from all these superfluous compounds.] returns have been received from 7544 of those dis-

> That 341 new school districts have been formed during the year 1826, and that the number of districts which have made returns, exceeds that of the preceding year by 427.

That there are in the districts whose trustees have made returns, 411,152 children between the ages of 5 and 15-and that in the common schools of the same districts, 431,601 children have been

small articles, seldom use any thing else. If, how-convinces us that the whole character of the state Camillus, Manclius, Marcellus, and Pompey, in the

da, and Homer, in Cortland county. There are 18 This last, we think, needs only to be known, to insure towns, in which more than 1500 children are taught. and 91 towns, in each of which more than 1000 are

instructed annually.

The sum of \$185,965 26 has been paid to the the mule or small horses. several districts during the year 1826; of this sum. \$80,000 was paid from the state treasury; \$94,243 96 cents was raised by a tax upon the respective towns; and \$11,721 27 was derived from a local a condition of the school law, that there shall be assessed upon each town, an amount equal to that which is apportioned to the town from the state treasury. And this sum may be increased by a vote of the town. It will be seen that the towns have raised \$14,243 97 more than was requisite to enti- cash, or acceptances in town at short dates. tle them to a participation in the public fund. This fact is creditable to the enlightened patriotism of the inhabitants of those towns which have been thus liberal.

The number of children instructed in the common schools, exceeds, by 16,200, the whole number between the ages of 5 and 15 years. This estimate does not include the cities of New York and Albany, where the children, between 5 and 15, are not reported The returns show an increase of 15,566 of the children between 5 and 15; and the number of children taught in the common schools, has increased 13,863 since the last annual report.

By the returns of 1816, it appears that the number of children between 5 and 15, was 36,342 more than the number instructed during that year in the common schools; in the year 1826, the number between 5 and 15, is 16,200 less than the number taught-making a difference in favour of those instructed, of more than 50,000.

The seed of the Cesarean Kale, frequently inquired for, is not to be had at the seed stores in this city.

PLOUGHS, &c.

The subscriber is now prepared to furnish his customers with Gideon Davis' Improved Patent Ploughs, in all their variety. Also, Rhodes' valuable Patent Hillside Ploughs, together with his Cylindrical Straw Cutters Francis Variety Strains Coulding to the Control of the Control of Contro ter; Brown's Vertical Spinners, Cultivators, &c. From the very liberal encouragement he has been favoured with for the two last seasons, and the universal satisfaction expressed by his eustomers, he flatters himself with the fullest confidence of their continuing their support to his establishment, which he is daily extending—assuring the public that no exertion shall be wanting on his part to merit the public's confidence, and to render his establishment worthy of their attention.

Orders for blacksmith work in the line of Ploughs and Edge Tools, will be executed in the best manner, and on reasonable terms. Orders by mail, post paid,

will meet prompt attention.

JONATHAN S. EASTMAN.

No. 36 Pratt-street, immediately opposite the United Six per cent. 1813, Hotel.

N. B. Wanted, a quantity of tough White Oak Butts for Plough timber. February 9, 1827.

SINCLAIR & MOURE,

Offer for sale at their Agricultural Repository, a large and general assortment of Garden Seeds, most of which have been either imported from London, or earefully selected in New England last fall, from seed-raisers of first respectability, by one of the firm, who had an opportunity of seeing the roots and plants from which the seeds were raised, and since received have been proved in our hot bed provided for the purpose; Method of making Butter in Brittany, France—Tol giving us the fullest confidence in their germination and purity. Priced catalogues of which will be fur—Recipe for finishing a Young Lady—Three Faults

county of Onondaga; Paris, in the county of Onei tent self-sharpening steel-point Plough, of all sizes .its general use; its performance and economy in smithwork, renders it valuable; they are now made strong and not liable to break. Our Cultivators this season are made light and of very strong wood, suitable for

> Wheat Fans, Corn Shellers, and Cutting or Chaffing Boxes, warranted to perform well; we have recently received many expressions of satisfaction of their work.

Fruit Trees .- We have about 4,000 choice, grafted fund which is possessed by several counties. It is nursery at Poplar Hill, five miles from the city; and will be packed in mats and wet moss, if requested, and may in this order be shipped to a great distance without injury-priced catalogues of which can be furnished gratis. We are under the necessity of informing our friends. that in future we shall confine our sales principally to

P. S Wanted to purchase, a quantity of Millet seed

2d mo., 9, 1827.

PRICES OF STOCKS.

(Reported for the American Farmer, by MERRYMAN & GITTINGS, Stock and Exchange Brokers.)

Baltimore, Feb. 9, 1827.

20

7:2

par value. preser BANK STOCKS. U. States' Bank Stock, per share, f. s. \$100 118 300 Bank of Maryland, do. 227 10 do. (div. off,) 300 Bank of Baltimore, Union Bank Maryland, do. do. w 75 75 10 Mechanics' Bank, . . . w 20 25.2 Franklin Bank, .. Commercial and Farmers' Bank, w 26.2 Farmers' and Merchants' Bank, . 54.9 2.8 15 w 27.2 Marine Bank, Farmers' Bank of Maryland, 53 u CITY STOCKS.

Corporation 6 per cent. redeemable ? after 1836, Do. 5 per cent. redeemable in 1832, Penitentiary 5 pr. cent. stock; (none)

Masonic Hall, 6 per cent. . . 100 par&in

Annuities, or Ground Rents, . 6 to 10 per cen ROAD STOCKS. Reister's Town, . (div. off,) f. s. 10.2

do. f. s.York, . . . Frederick, . . do. 20 117 Washington and Baltimore, 31.5 Baltimore Water Company Stock, 93 per share, (div. off,) . Union Manuf. Co. Stock, per share, 50 141 Gas Stock, 100 130 Temascaltepec Mining Co's, per share, 600 800 Havre de Grace Turnpike 6 per cts. par & interes

U. STATES' STOCK. 1013 (div. off,) do. f. s. do. f s. -, 1814, 1023 100 104 -, 1815, 100 804 do. Three per cent. w 100 1024 Four and half per cent. do. do. 100 107 Five per cent.

IV., wanted-f. s., for sale, by Merryman & Gitting

CONTENTS OF THIS NUMBER.

Coal Ashes, as a manure-Transmutation of Plants On the Culture of Sea Kale-Cultivation of the Pop for Opium, described and recommended-Horticulture Items, from Loudon's Gardener's Magazine for 1826 Recipe for finishing a Young Lady—Three Faults Nurses—History of the Dog—On Poor Laws—Living Also field seeds, such as Timothy, red and white Clover, Ray Grass, Lucerne and Sainfoin, Vetches or Tares. In store, Garden and Field Tools; Bar-share Ploughs, keepers—Editorial, the Prospects of Maryland, and Pubassorted; Wood's Patent, assorted. Also, Winan's Pa-lic Schools recommended.

PRICES CURRENT.

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SKINNER, Editor, by John D. Tor, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

which have been hitherto relied upon as the great been rendered unprofitable either by extended rivalry and increased production at home, or by want of demand from abroad With regard to tobacco, lands, and with the economical habits of Ohio, are less laborious planters of Maryland and Virginiaand the cotton planter of the south has to contend against the extended culture of that commodity, castward, in his own country; whilst abroad, especially in England, if the quantity consumed be not diminished, yet the customer there, being curtailed in his market here and elsewhere for his manufac tures, can no longer afford to give the price he was wont to do for the raw material. The present prices threaten with general ruin. In this state of things there has arisen an imperious necessity to cast about in search of new objects, on which to employ our labour and capital; nor can we longer neglect every practicable economical improvement in our domestic habits. Yet, indisputable as is this necessity, who turns from the beaten track to bestow his labour on something more profitable? Are not the same articles, and those alone, cultivated now that were a half century ago? Yet it is notorious that many commodities of great value and extensive consumption, are imported from other states, which there is no reason to suppose might not be produced in our own. Why, for instance, should we get all our hops from New England, and all our barley from Virginia? The complaint of hard times is deep and loud. Brokers, manufacturers, and monied capitalists are the only persons whose affairs prosper and whose coffers accumulate. The planter, the farmer, the merchant, at the end of each revolving year, beholds his labours like the toils of Sisyphus, ending where they began; fortuplanter or farmer has even inquired and reflected, much less experimented, to see whether he might state has proved that be cannot compete with the pose of imparting an agreeable bitter to them. hop planter of that, where land is dearer? And might not the same question be asked in regard to many other things? At all events we would circu late the best information we can collect on this sub those who have more leisure to pursue the inquiryhow far the growers of grain and the planters of tobacco may apply their attention and labour to objects not hitherto considered and tried.

With respect to hops, those who have taken the previous volumes of this journal, know that we or rain than those of the other sorts, have sedulously sought the best information, from The second, or green bind, thou the best sources. From articles on that topick, not hitherto published, we now select the following ductive, and on the middling descriptions of land, from all sorts of weeds. In the last operations, the by Judge Buel, the able editor of the third and last succeeds very well. volume of the Memoirs of the New York Buard of Agriculture.

about 16,000 pounds, chiefly from Boston. The selling at a much higher price. present price is 20 cents; two months past the price was 24 cents per pound. Supposing the yield per kind are those that have an easy, natural, sloping table earth, by being intimately blended together, acre to be, as stated to be in England-1200 pounds position towards the south, or which are more level, and remaining in that state for a considerable length at 20 cents, there would be a product of \$240 per and possess the advantages of a south westerly ex- of time, should be applied in small heaps, so as to acre. But suppose half, or even one third of this posure, and which are well protected and sheltered afford about half a bushel for each loie. to be realized? However, we leave every one to from the effects of the north and north easterly. The business of planting out the sets is then to make his own calculation. Our notice of the sub-winds, by high grounds, tall fences, or trees of the be commenced, which is performed at different

made of good quality, and at the most trilling cost, the vigour and healthy growth of the binds, but, by and fragrant vine.]

ON THE CULTIVATION OF HOPS.

From the Memoirs of the Board of Agriculture of the State of New York.)

[The rapid increase of breweries in our state, and the consequent substitution of malt liquors for ardent spirits, is generally considered auspicious to the health and morals of our population. The cultivation of barley and hops, therefore, has become a matter of public interest. Our farmers possess the requisite knowledge, and need no other encouragement than good prices, to furnish the first article to any extent that may be required. As to the latter, our knowledge of the method and profits of their culture, is circumscribed to a few districts, in which they are becoming a considerable, and we beheve a profitable staple. Having failed in our endeavours to obtain an account of the method of cultivating the hop in this state, our duty to the public impels us to give the English method; which, though not adapted in all particulars to our practice, may, nevertheless, afford valuable suggestions to those who have embarked in the hop raising business, and may serve as a guide to the novice who has no instructor at hand. The following extracts are from Dickson's Farmer's Companion, one of the most approved British publications upon agriculture.—Ep.]

The hop is a plant of the fibrous-rooted perennate, indeed, if he has not lost ground; yet what nial kind, which climbs to a considerable height. under the support of poles. There is only one spe cies of this plant in cultivation, but which has sevenot essay with advantage some new object of culti-ral varieties, as the red-bind, the green-bind, the vation? Why, for instance, should the breweries of white-bind, &c. It is chiefly grown for the sake of Maryland be for ever supplied with their hops from the bud and flower, which are employed in the Massachusetts? Is it because the landholder of this brewing of beer and other malt liquors for the pur-

The first of the above varieties affords a very small hop; but, from its hardy nature, is capable of ards, rich dry meadows, or other grass land, is howbeing cultivated in exposed situations, and where ever, the most proper for the purpose, the climate is cold and not adapted to the other. In either case the ground should be ject, and earnestly invite communications from sorts. It is said to possess the property of resisting the blast more effectually than any of the other with flies and lice; and at the period of picking to be performed in the autumn, in order that it may be less exposed to injury from the effects of the sun have the advantage of the effects of the frosts dur-

The second, or green bind, though less hardy from Dickson, with some introductory observations in situations that are not too much exposed, often ground should always be left in as even and level a

ject will not have been without its use, if it only lorest kinds, rising at some distance from them lead each farmer and planter to cultivate a dozen or But, as the plants grow closely together, and rise to New Objects for the Attention of Maryland in making cheap and wholesome beer, to be dunk, without stint, by all the family, in lieu of whiskey, which is selfishly provided for his own exclusive use of a considerable height in the stems, they should not by any means be confined, or too much closed up without stint, by all the family, in lieu of whiskey, which is selfishly provided for his own exclusive use of a full and perfectly free admission and circulaand that of his male friends. If, when the hops tion of air, as well as light and the influence of the staples of the middle and southern states, have are provided, he should ask how the beer is to be sun; as these have not only the effect of promoting we shall be ready to give him the information. A quickly dissipating and drying up the superabunfew dozen hills in a garden would be more than suf dant moisture that may rest upon them, prevent the the self-labouring planters on the new and rich slaty ficient for this purpose, and there cannot be a more crops from being so much injured by the blast or cleanly agreeable employment of time, than that mildew. This is fully shown by the circumstance supplanting the slave-holding, less economical, and which is devoted to the culture of this beautiful of the middle or more close parts of such crops, especially where they are extensive, being greatly injured in this way, while the outside parts, that have the advantage of being more fully exposed to the air, sustain no injury at all in these respects.

It has been remarked by a late writer, that such situations as are in the immediate vicinity of the sca, or near marshy and fenny levels, seldom answer for the culture of the hop plant, as they almost

invariably miscarry in bad seasons.

The soils most adapted to the culture of the hop plant are those of the more deep, strong kinds, whether of the loamy, clayey, or sandy qualities. They should be such as incline to dryness without being too deficient of moisture, and that have a considerable depth of good, rich vegetable mould. The thin, gravelly and chalk soils are wholly improper for the growth of plants of this nature; the former not being sufficiently retentive of moisture for the vigorous growth of the plants; and the latter, from its absorbent quality, imparts its humidity to the roots of the binds in too scanty a proportion for the healthy support of their luxuriant vegetation.

There is, however, a sort of thin slatey soil, intermixed with good rich mould, which has an under stratum of stone, that is found, by experience, to be admirably suited to the growth of the hop plant, and on which it often rises to its fullest height and luxuriance, producing an equally abundant produce with those of the most deep, strong and fertile kinds. Hops are extensively cultivated on a soil of this description in the vicinity of Maidstone, in

Hops may be cultivated on such lands as have been in a state of tillage; but in these cases it is absolutely necessary that a sufficient proportion of manure be applied, to bring them into a proper state of fertility for the perfect support of the plants. Such land as has been long in a state of pasture, and which has, in consequence, accumulated a large proportion of vegetable matter, as that of old orch-

In either case the ground should be reduced to a perfectly fine state of mould, by repeated ploughing and harrowing, or digging it over with the spade. varieties, often appearing healthy and vigorous, in This last is the most effectual method, where the land seasons when the other kinds are greatly infested is to be broken up from the state of sward, and should ing the winter season By these means the plantations are not only to be brought into a perfect state than the preceding kind, is considerably more pro- of pulverization, but also rendered clean, and free situation as possible, if it be sufficiently dry; but But the third, or white bind, which is still more where it is inclined to the retention of moisture, it delicate and tender, is the most in estimation, on may be ridged, in order more effectually to remove At a single brewery in this city, there are used account of its being more early, and the produce the superabundant wetness. And immediately before the season of planting, a quantity of compost, The most proper situations for plantations of this formed from well rotted dung and good fresh vege-

No. 48. -vol. 8.

season may suit; as these are the periods of cutting inches in the compost, and so as to have the tops wanted. over and dressing the old binds, when sets of this wholly covered by the mould on the surface of the In the second year of the plantation, it is seldom end of October, or beginning of November.

lines in every direction. But, in cases where it is during the summer with bass or sedge.

feet, while others prefer a five or six feet plant. As the hop plant, from the luxuriance of its growth, rises to a great height, and sends forth much bind and foliage, it must, of necessity, require considerable space, as where the plants stand too closely together they are not only more liable to become diseas-out its possessing any superiority except that of ed, but to house or run together above the poles, by rendering the land somewhat more dry. which so much shade is produced, as to prevent the lops below from completing their growth; and of first year, as where this is attempted much injury is frequently done to the future produce of the plandout the beginning of May, the secourse the quantity of produce is much lessened.

The holes are set out in different ways, accordthan either of the above, is that of striking furrows more frequently. by the plough in different directions of the planta-

out by a spade or spud, to the depth of about twelve two thousand six hundred to the acre. But where quiring wealth in husbandry, upon a small scale, inches in a circular form, having the diameter of the plants are weak and less luxuriant in their ve without the expense of keeping many draught about eighteen inches, the bottom mould being a getation, a greater number of poles will be requir horses or servants. After a few years experience, little stirred. These are then partially filled with ed, as three to each hill, or at least to each other they soon found that ten acres of the best vegetathe earthy compost, mentioned above; and the hill, which in the latter case will be in the propor- bles for feeding cattle, properly cultivated, would mould that was taken away replaced upon it, so as tion of about three thousand two hundred and fifty maintain a larger stock of grazing animals, than to make a little rising or hillock. On these hillocks to the acre. But as the poles need nut be so long, forty acres of common farm grass; and the vegeta-

inches.

binds, each being cut to the length of about five or the plants free from weeds: when, from the increas- title of a picker, in order to afford the means of six inches, having two or three eyes or joints, which ing growth of the young plants, it will be proper to pruning and dressing the stucks; in which operaare the buds, from which the roots and stems, or apply an addition of fine mould about them on the tions all the preceding year's bearing stems are cut new binds, proceed. They are sold by the hundred hills, which may be scraped up from the intervals. off within a joint or two of the roots, and all such of six score, at from six pence to a shilling. In the planting, different forms and distances are preferred shoots, and thereby increase the vigour of the roots, themselves to the poles, or which have risen on the by different planters, according to the manner in some twist them together into a sort of knot.— edges of the hills, fully cleared away, nothing being which the after-culture of the crop is to be per-Others, however, advise that two small sticks, about suffered to remain that can possibly injure or preformed. Where it is executed by means of horse a couple of yards in length, be set in each hill, in vent the vigourous growth of the new binds. In labour, the best method is that of setting them out order to direct the climbing of the shoots, three or performing this business, care should be taken to in rows, at suitable distances, so as to form straight more being led up each stick, and tied occasionally bare the different stalks and roots so completely,

On these grounds it would appear that this plant tations. In the Suffolk method of planting, a pro- cond in June, and the third in July; a little mould cannot be cultivated with perfect success in less duce of three, four, and even five hundred weight at each time being drawn to the roots of the plants space than from six to seven feet; on good rich soils of hops, is sometimes, however, afforded the first on the hills in order to keep them sufficiently moist. the latter distance may be the most advisable, as year. And where bedded or root sets are made use The moulding should take place in the early part the plants will be more at liberty to effect their full of, a small crop may be afforded the first season, as of August, the earth being well laid upon the hills growth. In this way there will be a distance of the plants or binds will be nearly as forward at that round the root-stems of the plants; and it should

But though this sort of plantation may be con-fallen. ing to the particular custom or practice of the cul-tinued in the above manner, it is suggested as a tivators; some making use of a line, in which knots more advisable practice, in many instances, to reare formed at the distances intended, which is ex- new them at much shorter distances of time, or tended the whole length of the plantation, small even to keep renewing particular parts occasionally sticks being thus thrust down at the knots, and the land measured off from these by sticks of a proper length; others mark the holes off at once by means the plough, the spade or the boe, the ground in the of stakes drove down into the ground at suitable intervals should be well stirred two or three times Such an excellent principle, at first setting out, led

In the following winter after the plantation has

times, according to the nature of the plants. Where a dibble; one in the middle or top of the hill, and little difference in the expense In bringing the sets from the cuttings of old binds are made use of, the others around it, at equal distances, about four poles they should not be carted upon the ground, but the work is best performed in the latter end of Febore from the sides of the holes. The be placed at the outsides, to be afterwards removed ruary, in March, or the beginning of April, as the sets are generally put in to the depth of about two by the labourers to the places where they are

sort can the most easily be obtained; but, when bedded, or root sets are employed, as may sometimes be the case in digging up former plantations, holes, after they have been planted out in the autumn is the most proper season, as about the compost, to the depth of an inch and a half or two about the middle of March, the hills must be open-In the first of these methods, the sets or cuttings should be made from the most healthy and vigorous middle of May, except keeping the ground about principal roots, by means of a tool which has the and to such a depth, that every thing that is hurtful There is still another mode of planting practised may be discovered and wholly removed. And in consequence, provided a sufficient space be allowed for the healthy growth of the plants. In this way kind and much inclined to moisture. This is that ble; be employed; for much depends on the work some practise the row method, while others prefer of forming the plantations into a sort of beds about being properly executed, as great injury may be a triangular plant. It is evident, however, that the sixteen feet in width, by digging out trenches three done by leaving too great a length of bind, as well planting in equi distant rows, so as to admit of the feet in width, and from two to two and a half in as by cutting the stocks too closely. In the former ground between the plants being kept clean by the depth, spreading the earth thus removed evenly case the crops may be exposed to the canker, and harrow and nidget, must be much less expensive over the beds previously prepared. On these the sets in the latter, the hills be so much weakened as not to than that of the irregular mode, in which hand la-bour must be employed.

are put in, after the holes are made a spit in depth, afford shoots in sufficient abundance. It is, there-twelve inches in diameter, and six feet apart in fore, necessary that the work should be carefully The distances at which the plants are set out, or each direction, so as to admit three rows on each overlooked. After the business of pruning and rather those of the holes and hills formed for their bed, in the same manner as in the other methods dressing has been thus accomplished, the earth reception, are different, according to circumstances. The plants in this mode are poled in the course of should be raked back again upon the plants, so as Some cultivators advise six feet and a half or seven about three weeks with old short poles, to each of to rise into hills as before.

served for the purpose of forming new plantations.

from eight to nine feet from the centre of the hills. time, as those from cuttings are in the second season. be executed, if possible, soon after some rain has (To be continued.)

(Selected for the American Farmer.) CHARACTERISTICS OF FLEMISH HUS-BANDRY.

To make a farm resemble a garden as nearly as possible, was their principal idea of husbandry .distances each way; but a more expeditious method when the seasons are favourable, and in other cases them, of course, to undertake the culture of small estates only, which they kept free from weeds, continually turning the ground, and manuring it plentiby the plough in different In making the pits or holes, the earth is taken be sufficient for each hill, or in the proportion of more delicate grasses, as the surest means of acseven sets or roots are mostly planted by means of or of so much strength, there will probably be but bles they chiefly cultivated for this purpose were, sweet fenu greek, (Trigonella,) buck and cow

letting farms on improvement. Add to this, they discovered eight or ten new sorts of manures. They men who deposit the loaded ones, to bring back the ders; but at the suggestion of Radcliff, is now unliving crops, for the sake of fertilizing the earth, scoop, or rather a kind of bowl with a long handle,

purchased liquid manure; but for that made in the measure, to the English acre. farm yard, generally in the yard, or under the stables.

pense of cultivation on the crops raised in the

then spread equally over the entire surface, and the stock is blanched and tender. when well harrowed in, by eight or nine strokes of operation, is again carefully rolled.

Nothing can exceed the smoothness and cultivated appearance of fields thus accurately prepared

The manure universally used for the flax crop, denure, and consists of the urine of cattle in which manure is gradually collected in subterraneous vaults of brick work, at the verge of the farm next matter that the farm-yard produces, formed into a to the main road. Those receptacles are generally compost, which consists of dung and litter from the forty feet long by fourteen wide, and seven or eight stables, chaff, sweepings, straw, sludge, and rubfeet deep; and in some cases are contrived with the bish, all collected in a hollow part of the yard, so crown of the arch so much below the surface of prepared as to prevent the juices from being wasted; the ground, as to admit the plough to work over it. and the value of this, by the cart load of 1500 lbs. An aperture is left in the side, through which the of Ghent, is estimated at five francs. manure is received from the cart by means of a shoot or trough, and at one end an opening is left load, five francs and a half. to bring it up again, by means of a temporary pump which delivers it either into carts or tonneaus.

The liquid is carried to the field in sheets or barrels, according to the distance. Where the cart eight francs plies, the manure is carried in a great sheet called a voile, closed at the corners by running strings, and francs secured to the four uprights of the carts; two men,

Income, saintfour, trefoils of most denominations, standing one on each side of the cart, scatter it with hollow shovels upon the rolled ground: or wheat, (Mclampyrum prateuse,) field turnips and spurry, (Spergula,) by them called marian-grass. where the tonneans are made use of, each is carried been all tried experimentally, and with fair results; by two men with poles, and set down at equal in-The pulitical secret of Flemish husbandry was, the tervals across the field, in the line of the rolling.

were the first among the moderns who ploughed in others empty. One man to each vessel, with a and confined their sheep at night in large sheds built spreads the manure so as to cover a certain space; on purpose, whose floor was covered with sand, or and thus by preserving the intervals correctly, they carth, &c. which the shepherd carted away every can precisely gauge the quantity for a given extent morning to the compost dung hill. Such was the of surface. For the flax crop they are profuse, and chief mystery of the Flemish husbandry. Urine eisterns are formed in the fields, to receive they usually allow at the rate of 2480 gallons, beer

round to the circumference, so as to leave it with- the ensuing year,) as soon as the buds appear, they spective fixtures, are found highly useful out any furrow. The heavy roller is drawn across cut them nine inches under the surface; by which the ploughing by three horses; the liquid manure is means, having just reached the light, the whole of soils; and the different kinds, with the relative quan-

use are-

The farm-yard dung, which is a mixture of every

The dung of sheep, pigeons or poultry, by the cart

Sweepings of streets and roads, same quantity, three francs.

Ashes of peat and wood mixed, same quantity,

Privy manure and urine, same quantity, seven

Lime, same quantity, twenty-four francs.

Rape cake, per hundred cakes, lifteen francs Gypsum, sea mud and the sediment of canals, have ter is used successfully in the vicinity of Bruges.

der experiment in that country .- Encyc. Ag.

(Selected for the American Farmer.) AGRICULTURAL SCHOOL OF MOEGELIN. IN PRUSSIA.

The agricultural institution of Moegelin is situated in the country, or march of Brandenburg, about forty-five miles from Berlin. The chief professor, With culinary vegetables the Flemish markets are Von Thaer, was formerly a medical practitioner at In the latter case, the urine is conducted from each abundantly supplied. Most of these are grown by Celle. near Lunehurg, in the kingdom of Hanover; stall to a common grating, through which it de- the small farmers, and are of excellent quality. To and had distinguished himself by the translation of scends into the vault; from thence it is taken up by every cottage in Flanders a garden of some descrip-various agricultural works from the French and a pump. In the best regulated farmeries, there is a tion is attached; and according to the means, the English, and by editing a Magazine of Rural Econopartition in the cistern, with a valve to admit the leisure, and the skill of the possessor, is rendered my. About 1804, the king of Prussia invited him contents of the first space into the second, to be pre- more or less productive. The general principles of to settle in his dominions, and gave him the estate served there free, from the more recent acquisition, management with all are, frequent digging, careful of Moegelin to improve and manage as a pattern age adding considerably to its efficacy. This species weeding, ample manuring, and immediate suc-of manure is relied on beyond any other, upon all the cession. The rotation depends on circumstances. began by erecting extensive buildings for himself, light soils throughout Flanders, and even upon the The chief vegetables in common use are parsuip, three professors, a variety of tradesmen, the requistrong lands, (originally so rich as to preclude the carrot, turnip, scorzonera, savoy, jettechou, cabnecessity of manure,) is now coming into great bage, (Brussels sprouts,) onions, leeks, pease, beans,
three professors, a variety of tradesmen, the requisite agricultural buildings, and a distillery. The
necessity of manure,) is now coming into great bage, (Brussels sprouts,) onions, leeks, pease, beans,
three professors are, one for mathematics, chemisesteem, being considered applicable to most crops and all kinds of salading, with another vegetable
try, and geology; one for veterinary knowledge;
and to all the varieties of soil.

called feve haricot, a large species of French bean,
and a third for botany, and the use of the different Fullows, according to Sir John Sinclair, are in a which has a place in the field or garden of almost vegetable productions in the materia medica as well great measure abolished, even on strong land; by every farmer; and being sliced down, pod and seed, as for entomology. Besides these an experienced means of which, produce is increased, and the ex- is made a chief ingredient in all farm-house cookery. agriculturist is engaged, whose office it is to point The treatment of asparagus here, and generally out to the pupils the mode of applying the sciences course of a rotation, necessarily diminished: and by in Flanders, differs considerably from our method: to the practical business of husbandry. The course the great profit they derive from their flax and rape, in forming their beds, they are not by any means commences in September. During the winter or colsat, they can afford to sell all their crops of particular as to very deep trenching, or a profusion months the time is occupied in mathematics, and grain at a lower rate. Notwithstanding this asser of manure; nor, as they grow up, do they cover the first six books of Euclid are studied; and in the tion of Sir John, it will be found that a fallow en- the beds with litter for the winter, nor fork and summer, the geometrical knowledge is practically ters into the rotation on all the clayey soils of Flanders.

The dress them in the spring; in the furrows they form applied to the measurement of land, timber, buildaries.

Flax is cultivated with the utmost care.

The first principles of which, before winter sets in, they dress up their chemistry are unfolded. By a good, but economifield intended for this crop, after two or three beds to the height of nearly eighteen inches from cal apparatus, various experiments are made, both ploughings and harrowings, is again ploughed, com- the level of their crowns, and without any further on a large and small scale. For the larger experimencing in the centre and ploughed round and operation. (except supplying the furrows again for ments, the brew house and still house, with their re-

Much attention is paid to the analyzation of various tity of their component parts, are arranged with Every substance that constitutes, or is convertible to great order and regularity. The classification is the harrow, the seed is sown, which is also harrow- manure, is sought after with avidity, which accounts made with neatness, by having the specimens of ed in by a light harrow with wooden pins, of less for the extreme cleanliness of the Flemish towns soil arranged in order, and distinguished by diffethan three inches; and the surface, to conclude the and pavements, hourly resorted to with brooms and rent colours. Thus, for instance, if the basis of barrows, as a source of profit. Even the chips the soil be sandy, the glass has a cover of yellow which accumulate in the formation of wooden sboes paper; if the next predominating earth be calcareworn by the peasantry, are made to constitute a ous, the glass has a white ticket on its side; if it be part of the compost dung heap; and trees are fre- red clay, it has a red ticket; if blue clay, it has a mands particular notice. It is termed liquid ma- quently cultivated in barren lands, merely to re- brown onc. Over these tickets others of a smaller main till their deciduous leaves shall, in the course size indicate by their colour the third greatest rape cake has been dissolved, and in which the vidanges conveyed from the privies of the adjoining
towns and villages, have also been blended. This

The manures in general
towns and villages, have also been blended. This nious than useful, and savouring too much of the German habit of generalizing. The classification of Von Thaer is, however, as much adopted and as commonly used on the large estates in Germany, where exact statistical accounts are kept, as the classification of Linnæus in natural history is

throughout the civilized world.

There is a large botanical garden, arranged on the system of the Swedish naturalist, kept in excellent order, with all the plants labelled, and the Latin as well as the German names.

An herbarum, with a good collection of dried plants, which is constantly increasing, is open to the examination of the pupils; as well as skeletons of the different animals, and casts of their several parts, which must be of great use in veterinary pursuits. Models of agricultural implements, especially of ploughs, are preserved in a museum, which is stored as well with such as are common in Germany, as with those used in England or other countries.

The various implements used on the farm are all made by smiths, wheelers and carpenters residing round the institution; the work shops are open to a graft of the same twigs on any other stock; or is the trunk full of sap, a fermentation or sourness spections to become masters of the more minute.

SHEEP-INQUIRY.

White Post, Frederick, Va. Feb. 6, 1827.

MR. SKINNER,

Will you be so good as to manifest the value of your journal, by soliciting an answer to the follow ing inquiries, from some of your northern corres pondents. They would much ablige a brother in the art, by making as speedy a reply as will suit their convenience; and might also render a general hene fit. Many of our farmers are disposed, so to change their cultivation, as to admit the keeping of a greater number of sheep, and some to make a business of it; but they are ignorant of the principles, practices, and advantages, in the anticipated change; and would feel themselves truly obliged by any practical observations of their eastern brethren.

Out of a number of queries lately addressed to the subscriber, he now proposes the substance of them. The most important of which in the view of the applicant, was to ascertain how many sheep could be kept on a given number of acres of good grass land, devoted exclusively to their support? Have any farmers made the experiment fairly, and satisfactorily, on even 50, or to the extent of 500 acres. If so, what has been the nature of the soilwhat kind of grass, or grasses, have formed the sod; what portion of the land has been reserved for hay or other cultivation for a winter's supply of foodwhat divisions; and the process of grazing in sum-mer, and feeding in winter—what kind of sheep; quality and quantity of wool obtained-general weight of mutton, and fitness for the butcher; price of both; season of having lambs, &c. &c.? If answers were made to the above queries in reference to at least three divisions of climate, from Virginia to Maine, such reciprocated information might be of considerable importance to sheep breeders, and he very gratifying to Yours, respectfully,
A PLAIN FARMER.

N. B. The great object is to ascertain what the real profits are; not the calculated, reckoned, or guessed advantage of land appropriated to sheep.

The Editor hopes, and has little doubt, that "A" Plain Farmer" will be obligingly answered.]

QUERIES.

Whatley's Ford, Geo. Jan. 19, 1827.

MR. SKINNER,

A tyro in the business of farming is desirous of eliciting information on the following subjects, and concludes that the surest means of obtaining it will be to make your valuable paper the vehicle of from commencing its depredations, which is the his queries. If, therefore, you deem them worthy main cause of the decay of all timbers. a place, please to lay them before the readers of the Farmer.

1st. What is the best manner of managing a stock of goats, particularly the best means of keeping them from scaling common enclosures; the safest time and manner of castrating, and what proportion of males should be kept in a stock?

2d What is the best season for spaying hogs; also, what is the most favourable age of the animal for the operation; and the most approved method

of performing it?

3d. Is there any cheap means of preventing the depredations of pigeons upon garden and other val uable vegetables, and at the same time keep a plen-tiful supply of this delicious bird for the table?

4th. In case of the twig of an apple tree being years longer than it done when it did; and hence cut off, as far as my observation has been, when the the winter. graft is transplanted to the orchard?)

While on this subject I cannot forbear mentioning the fact, on my own experience, that the quickest means of rearing a good peach orchard, is by rot two years sooner than the former; and so it sticking the twigs or water sprouts (as they are would be of two trees felled at the same periods, termed) in the spot you wish the tree to stand; not and left with the bark on; but if made into rails one in a hundred will die in a common season. The (the bark taken off) or for other purposes, the lattime the buds begin to swell is the proper time to ter would be much the most durable. set them out. I have a nice young orchard of this description. This may not be new or important to many, or any of the readers of the Farmer; but I assure you it was both to me four years ago.

5th What is the best timber for posts; that is, for gate posts and rail fences, &c. Is not our common post oak, especi lly when charred, as durable as most or any others, more rare and difficult to terraced hills, as in Italy, but managed in a different procure?

I have had some experience of the durability of wild locust.

6th In this section of the union, (western Georgia,) we have extensive chestnut forests; would the owners of those forests find their account in en-alternating with ridges of arable land. In some closing them for the benefit of their hogs; or is the eases, also, two close rows, and a space of six or it is not gathered shortly after it drops?

chestnut orchard would be an invaluable apperte- end an essential part of the operation, noticed even nance to a farm, exclusive of its excellence for rails; by Xenophon. In pruning, a stem or stool of a foot many of those noble trees are, no doubt while this or more, is left above ground, and the young shoots is writing, tumbling to the ground, and others gird-ling by the indiscriminate stroke of the axeman, to stool. These stools get very unwieldy after sixty give place to Indian corn, which will probably sup-port no more swine than the native growth would some places, to lay down branches from them and have done, without any other toil than enclosing it form new stools, leaving the old for a time; which, with timber of the same; (rails of which a good however, soon cease to produce any but weak hand can cut and split 500 per day, and will last at shoots. The winter pruning of the vine generally least half a century.)

TIMBER.

The right time to fell timber for rails, buildings. and agricultural uses, generally is when the sap is in full flow; when the bark ceases to peel freely, the felling should be stopped.

In support of this opinion, it is alleged, that the operation is performed at the time that timber will season the soonest-becomes harder and firmer, in consequence of quick seasoning-the pores, being then full of sap, the drying of which leaves behind something of a glucy kind, having somewhat the benefit of oil paint-being harder and firmer than if felled in the winter; the worm is longer deterred

To fell timber when the bark does not peel freely, is at a time of the year which takes a longer period to season, in consequence of which, and the absence of the sap, it never becomes so hard and solid; hence the worm, the great destroyer of timber, com mences earlier its operations.

In most of the newly settled timbered countries, it was the general practice to leave valuable timber trees standing in the fields, which were girdled, or deadened, this operation being performed when the bark did not peel, the tree would stand up several

* Aithough a very durable timber for rails or other purposes above ground, it is objectionable for posts, on

stuck into the ground and growing to maturity, (in- arose the opinion that the winter was the right time stances of which I have frequently seen) might, or to fell timber to insure durability. If girdled when would the fruit differ from the parent tree, or from the sap is in full flow, the sudden stoppage leaves the pupils, and they are encouraged by attentive in- it the case, and if so, why is there any difference or takes place, the bark prevents the escape of the preference given in one stock over another, provid- moisture, the wood becomes soft, and the worm branches of the economy of an estate.—Encyc. of ed the graft grows; (the whole of the stock being soon commences—not so if the operation is done in

A large beech tree may be girdled in the month of February, and one of the same chraracter in every respect in the following May-the latter will

HORTICULTURE.

(Selected for the American Farmer,) CULTIVATION OF THE VINE IN FRANCE.

The vine is cultivated in France in fields, and on manner to what it is in that country. Here it is kept low, and treated more as a plantation of raspthe lightwood, sassafras, mulberry, chestnut, and berries or currants are in England. It is either planted in large plats, in rows three or four feet apart, and the plants at two or three feet distance in the row; or it is planted in double or single rows, chestnut mast subject to spoil and be lost, provided seven feet alternate, to admit a sort of horse-hocing is not gathered shortly after it drops?

Would the chestnut mast keep good on the ground tations are made by dibbling in cuttings of two feet (as many of the oaks do:) for several months, a in length; pressing the earth firmly to their lower some places, to lay down branches from them, and takes place in February; a bill is used resembling that of Italy; the women faggot the branches, and their value as fuel is expected to pay the expense of dressing. In summer, the ground is twice or thrice boed, and the young shoots tied to short stakes with wheat or rye straw, or whatever else comes cheap-The shoots are topped, in some places, after the blossom has expanded, and the tops given to cows. In some places, also, great part of the young wood is cut off before vintage for feed to cows, and to let the sun directly to the fruit. The sorts cultivated are almost as numerous as the vineyards. Fourteen hundred sorts were collected from all parts of France, by order of the Compte Chaptal. and are now in the nursery of the Luxembourg; but little or no good will result from the collection, or from attempting to describe them; for it has been ascertained, that after a considerable time the fruit of the vine takes a particular character from the soil in which it was planted; so that fourteen hundred sorts, planted in one soil and garden, would in time, probably in less than half a century, be reduced to two or three sorts; and, on the contrary, two or three sorts planted in fourteen hundred different vineyards, would soon become so many distinct varieties. The pinean of Burgoyne, and the auvernat of Orleans, are esteemed varieties; and these, with several others grown for wine making, have small berries and branches like our Burgundy grape. Small berries, and a harsh flavour, are universally preferred for wine-making, both in France account of its aptness to rot off immediately at the best grapes, and produce the best wines. The Basurface of the grounds

160 to 200 hogsheads, of 260 bottles each hogs-head. The expense of labour and cooperage in such a year, has arisen to \$3,000 francs; and the wine sells on the spot at five francs a bottle. The

hills in the neighbourhood of the town of Tokay. have become dry and sweet, like raisins, whilst hanging on the trees. They are gathered one by one; and it is from them alone that the prime To-kay, or, as it is termed, Tokay Ausbruch, is preparsqueezed mass is added an equal quantity of good wine, which is allowed to stand for twenty-four Tokay, which is difficult to be obtained, and sells ally laid within the first ten years of childhood. in Vienna at the rate of 12l, sterling per dozen.

The greater part of these vineyards is the property of the Emperor; several, however, are in the hands of the nobles.—Bright's Travels.

Another species of Hungarian wine, called Mineser, is said to equal Tokay; next to that in value comes the wincs of Edenburg, Rusth, St. Gyorgy, and Ofen, followed by a great variety whose names are as various as the hills which produce them. The grape which is preferred for making the Tokay and other Hungarian wines of that character, is a small black or blue grape, figured and described by Sickler in his Garten Magazine of 1804, as the Hungarian blue,-Euc. Ag.

LADIES' DEPARTMENT.

HARMONY, GENEROSITY, &c.

(From "Hints for the Improvement of Early Education and Nursery Discipline.")

Thoroughly to establish the principles of strict justice in the conduct of those who rule, and in that passions are strengthened by age? of the children, one toward another, is the grand means of securing the peace and good order of a nursery, and the only sure ground work of harmo ny, mutual generosity, and, consequently, of love. The apprehension lest his property should be extorted from him; the fear of having his own rights, in any way, infringed; the suspicion that he may may gradually inculcate the invaluable precepts, adown from heaven to consume them. Jesus answered, not receive his due—renders a child uritable and that we should foreive one another as we have our. "Ye know not what manner of spirit ye are of; the not receive his due—renders a child trittable and that we should forgive one another, as we have our-contentious: whilst the certainty that he himself selves to be forgiven; that "blessed are the mercishall be treated with entire justice and impartiality, ful, for they shall obtain mercy;" that "we are to do shall be treated with entire justice and impartiality, ful, for they shall obtain mercy;" that "we are to do When his enemies surrounded our Lord with swords satisfies his mind, composes his spirit, and prepares to others as we would have them do to us"—having and staves, "Simon Peter having a sword, drew it and him to impart, with liberality, what he knows is al compassion toward all; being pitiful and courteous; smote the High Priest's servant; and cut off his right together in his own power.

At the same time, the habit of nice attention, on "it is more blessed to give than to receive." his part, to the rights of others, teaches him the in-

quality of the wine which it may one day afford. off the main sources of dispute and contention; pre"In the Clos de Vogois vineyard, in which the most parcs the way for a free and liberal spirit; is the celebrated Burgundy wine is produced, new vine surest preservative against an envious, suspicious plants have not been set for \$00 years; the vines temper; and is the first step towards overcoming are renewed by laying the old trunks; but the root that selfishness, which is the prevailing evil of the is never separated from the stock. This celebrated human heart. This evil must be carefully watchvineyard is never manured. The extent is 160 ed. and perseveringly counteracted, especially by French arpents. It makes, in a good year, from guarding against it in our own hearts and behanot admit of being enforced by authority. We must not attempt to command them; nor should we up English miles. "Throughout the whole of this sight of any sorrow or suffering, which they under- feetly displayed." country it is the custom to collect the grapes which stand to be such; and these are the occasions for awakening their benevolence and compassion, not only toward their fellow creatures, but to every living thing. We should be particularly careful to lose no such opportunity of cultivating this tenderness of feeling ed; which, in 1807, sold for 100 florins the cask of among themselves: If one of the little flock be ill, 180 halbes, on the spot. They are first put together in a cask, in the bottom of which holes are est and sympathy—a desire to comfort and please bored to let that portion of the juice escape which him, which should be carefully cherished. The af will run from them without any pressure. This, fections of elder children are also often called forth, which is called Tokay essence, is generally in small in a lively manner, toward the younger. Now, at quantities, and very highly prized. The grapes are though their attentions to the little one, may at then put into a vat, and trampled with the bare times be troublesome to the attendant, she ought feet, no greater pressure being permitted. To the not hastily to suppress them-rather let her commend the younger to the care and protection of the elder: ever bearing in mind the importance of nurhours, and is then strained. This juice, without turing that family affection, so invaluable in the pro-further preparation, becomes the far-famed wine of gress of life, and of which the foundation is gener-Elder children are, on the contrary, sumetimes

inclined to tease, and domineer over the younger; though it is commonly those who have themselves been treated with tyranny, that are most disposed, in their turn, to become tyrants. This inclination is ever to be repressed: we are to point out the meanness, as well as the barbarity, of employing superior strength in oppressing, or tormenting the weak and the helpless; and uniformly to manifest our abhorrence of cruelty and tyranny, under whatever form they may appear, even when exercised to-ward the most insignificant insect. Let the first appearances also of a revengeful disposition be es pecially guarded against, both in our children, and in the conversation and conduct of those who are about them. If a child, in infancy, be encouraged to beat the table, against which he has bruised his lest they faint by the way." (Matt. xiv. and xv. head; if he be allowed to strike his brother, from his attendants, can we be surprised, if he display an irascible and vindictive temper, as his will and his

Although we are not to force upon children even are not ripe; yet we must remember the importance upon them, and blessed them." (Mark x.) of raising their views, as they are able to bear it, to the christian standard of relative goodness. We remembering "the words of the Lord lesus," that

How many of the fairest opportunities will natu- (Luke xxii.-John xviii.)

ron Peyrouse planted a vineyard twenty years ago, valuable lesson of subduing his desires, and of ex- rally present themselves, especially to a mother, which, though in full hearing, he says is still too vi- pecting limits to his individual gratification. Thus when the hearts of her little ones are touched, not gourous to enable him to judge of the fineness and the principle of justice, brought into full effect, cuts only of inculcating these divine injunctions, but which will still more avail, of tenderly infusing the spirit they breathe, by sympathy and influence?-Nor is it only the precepts of the New Testament, which may assist us on these occasions, we have also to point out the example of Christ. We have to inculcate the habit of contemplating his character, not only to be loved and admired, as perfect in itself, but as a pattern for us, as the standard at viour; for, let it be remembered, that generosity and which we are continually to be aiming, as that which affection are virtues, which, from their nature, do is intended to produce the strongest effects upon our lives and affections. It is to be lamented that of this perfect pattern, we make so little practical use, vineyard is of a pineau grape. The suc. Ag

the deep is a limest me rock "—Euc. Ag

Tokay grape and wine. The vine is cultivated to growth, by this strict adherence to justice, by influthe greatest extent in Hungary. The well known ence, instruction, and a judicious improvement of from the example of Christ; and no part of this exTokay is raised on the last chain of the Carpathian those natural feelings of kindness, which almost all ample more calculated to touch their hearts, than children occasionally display. There are few who will the compassion, the tenderness, the consideration of The district extends over a space of about twenty not discover emotions of sympathy and pity at the the wants and feelings of others, which he so per-

Children may be easily trained to exercise kindness and liberality towards the poor; they will experience a pleasure in relieving their wants. When old enough, the boys may be induced to save money; the girls to make clothes for the poor families, with whom they are personally acquainted. It is important that the habit of giving freely should be early established; for the usefulness of many characters is materially abridged through life from the want of this habit. With good and benevolent intentions, they know not how to dispense liberally, or how to open their hands freely. Mutual presents, if altogether voluntary, have also a happy tendency in promoting family affection and good will. But, in endeavouring to foster liberality, it must never be forgotten, that kindness is not to be forced.

Children, as they advance in age, should be taught to distinguish between that true generosity which involves self-denial, and that which costs them nothing-hetween a generosity which springs from a desire of applause, and that which is simply the result of benevolence and a sense of duty.

*The compassion and tenderness of our Lord will be strongly illustrated by contrasting them with the behaviour of the disciples. Excellent as they were as men, their impatience, and even want of charity, on many occasions, sufficiently prove, how wide is the difference hetween human virtue, and divine perfection, between that exalted standard which is set before us for our imitation, and the conduct of those who have most nearly approached to it. It was the language of the disciples, "Send the multitude away that they may go into the villages and buy themselves victuals." Jesus answered, "Give ye them to cat"-"I have compassion pon the multitude, I will not send them away fasting,

The followers of our Lord "charged the blind man whom he has received a blow; if he hear the lan- that he should hold his peace." "Jesus stood still, guage of retaliation and mutual reproach among commanded him to be brought unto him, saying, What wilt thou that I should do unto thee? Receive thy sight, thy faith hath saved thee." 'Luke xviii.)

When parents brought their young children to Jesus that he should bless them, the disciples rebuked them. "Jesus was much displeased, and said unto them, Sufthe best instruction, nor urge them to an exertion of fer the little children to come unto me, and forbid them self denial and benevolence, for which their minds not. And he took them up in his arms, put his hands

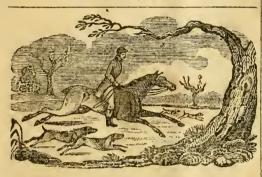
When the Samaritans refused to receive their master, the disciples would have commanded fire to come Son of man is not come to destroy men's lives, but to save them." (Luke ix.)

ear -then said Jesus unto Peter, put up thy sword into the sheath." "And he touched his ear and healed it,"

each child be marked with his own name. This and amongst others, by G---, in his best style, prevents many disputes, by facilitating that regard to individual property before recommended. When the division of any common treat is left to the children themselves, it is a good regulation that the divider is always to expect the last choice himself; and that the absent are particularly to be rememhered—the most liberal shares to be reserved for them.

These observations may appear unnecessarily minute; but it is by little things that children acquire habits, and learn to apply general principles: "To a fond parent, who would not have his son corrected for a perverse trick, but excused it, saying it was a small matter, Solon wisely replied, 'Aye, but custom is a great one."

SPORTING OLIO.



FOX HUNTING.

Hark! Hark! the joy inspiring horn, Salutes the early rising morn And echoes through the dale; With clamourous peals the nills resound, The hounds quick scented scour the ground, And snuff the fragrant gale.

To the Editor of the American Farmer:

SIR-Believing that an account of the late meeting between seven couple of dogs of the Baltimore dence of Mr. Custis; turning then to the left, be hunt, and a like number of the Bridge (Potomac) pack, will be acceptable to some of your readers, i give you a short account of five days' sport.

Tuesday, 30th ult.—Met by appointment at Rossburg, where we were joined by a party of gentle men from Bladensburg, with seven dogs, making a pack of 35 in number. Rain fell until eleven o'clock, at a safe distance, and ran again to the ferry, and when the dogs were uncoupled, and about twenty gentlemen, impatient for the chase, mounted their horses, and took a direction to the west. Many covers were drawn without finding; at length a fox was unkennelled near the Montgomery turopike. He went away for the broken ground on the northwest-here another fox was unkennelled, and the the bridge, passed on to the Piney hills, where he In perfection this glorious sport to enjoy, dogs divided. One fox, with fourteen dogs hard at bim, made for the covers, two miles down the creek, where he ran in circles for an hour, after which he broke away through the estate of Mr. almost always in sight. Diggs, and through a part of the District of Colum. Saturday, February 3 bia, crossing the Baltimore road between Washington and Bladensburg, near the spot where Commodore Barney was wounded, and passing the eastern branch on the ice, was killed in Prince the badness of the ground over which he ran, not day, a horseman was within eight miles when the chase ended. The other fox kept doubling on the broken in conning over the feats of the dogs, and the inci-tory hills; re-crossed the four mile creek to Pincy and ninety-seven winners, who won two hundred

Bright Chanticleer proclaims the dawn, And spangles deck the tborn, The lowing herds now quit the lawn, The lark springs from the corn; Dogs, huntsmen, round the window throng, Fleet Juno leads the cry, Arise the burden of my song, This day a stag must die.

CHORUS.

With a hey, ho, chevy, Hark forward, hark forward, tantivy, Hark, hark, tantivy, This day a stag must die.

The cordial takes its merry round, The laugh and joke prevail, The huntsman blows a jovial sound, The dogs snuff up the gale; The upland hills they sweep along, O'er fields, through brakes they fly, The game is rous'd; too true the song, This day a stag must die.
With a heigh ho chevy, &c.

Poor stag, the dogs thy haunches gore, The tears run down thy face, The huntsman's pleasure is no more, His joys were in the chase; Alike the generous sportsman burns, To win the blooming fair, But yet he honours each by turns, They each become his care. With a heigh ho chevy, &c.

Thus ended the first day's sport.

Thursday, 1st February, inst .- The Baltimore and Bridge dogs after a long trail, unkennelled a fox on the Virginia side, near the factory. His first run was along a road for more than a mile to Chapman's old fields, where he doubled, first to the left, and returning, crossed the road and breasted the open country to the wood, back of Arlington, the resimade for the Gorgetown ferry, which he soon reached, and doubling short round, he took his back track, passing Arlington, and through Chapman's old field, made good the pine covers west of the This loose now will do him, his wifes avail naught, Doctor's branch. After one circle round the pines, he again breasted the open country holding the dogs back to the Doctor's branch. Although he still kept several minutes ahead of the pack, it was evident the dogs were running to kill; they carried the scent breast high, and ran without check. The fux doubled back for Arlington woods, which reaching, he doubled to the right, passed the low grounds near was killed after a chase of three hours and a half

At your table let temp'rance preside;

This was the most interesting chase of the season;

Ruddy health a companion you'll constantly have, the fox was viewed repeatedly, and the dogs were

Saturday, February 3d.—The same dogs found a fox near Arlington, and seven went away with him to the Falts hills, at such a slashing rate, and in a course so straight that all the horsemen and the ba-

It is desirable that the play things, books, &c. of dents of the day, enlivened by appropriate songs, hill; he now made a straight run through the old fields to Gen. Jones's, doubled to the right, and made the Georgetown ferry; kept down the river's bank, opposite Mason's island, passed the low grounds near the bridge, doubled round Piney bill, and was run into and killed there, after a chase of two hours and three quarters. This was the second best chase of the season; and what was remarkable, though it rained incessantly, there was never a loss of a minute's duration.

Thursday, Feb 8th .- The Fairfax and Bridge dogs met by appointment at the Four mile runfound a grey fox, which was killed after an unusual

long run of two hours.

As soon as the day, dawning forth from the east, Has night's humid cortain withdrew, The huntsman arises and winds the sweet horn, Inspiring the musical crew.

And now they're unkennell'd, and dashing abroad.

So wantonly frolic and gay; Then clustering submiss, by the whip and voice aw'd Thus trotting to cover away.

See thro' the copse, how the hounds spread and try, Examining each likely haunt;

Hark! I heard Ratter drag him, preluding a cry. How they join him, and merrily chant!

As they get nearer to him, the chorus it fills, Hark! hark! now the villain is found! How grand is the crash while back from the hills Echo gladly returns the sweet sound.

The ploughman and woodman their labour forsake, To tally him off see them run!

If not headed back, he soon now will break. There's a halloo-by zounds be is gone!

All wild from the covert away burst the hounds, Ambitious to lead, see each strive; Now the scent having lost, see them fling o'er the

grounds, There they have it again-how they drive!

Hold hard!-they're at check!-how obliquely they spread,

There that wide-casting bitch. see, has hit him! Now see the old hounds, how they press to the head! A sure sign the villain is sinking.

See them run out of scent into view!

Ev'ry hound's chopping at him!-by Jove then I thought-

Now Slim! and then Spring!-who! whoop!

The hounds, quite transported with greediness, feast; The horn now proclaims he is dead: The sportsmen all pleas'd, but no one more bless'd

Than he whose good hound kept the lead.

And contentment will sit by her side.

· PEDIGREE OF TUCKAHOE.

[Furnished by a gentleman to the south.]

Tuckahoe was bred by John Wickham, Esq., of eastern branch on the ice, was killed in Frince lance of the pack, at the time on the trail of a grey Richmond, Va., and was sired by Flerizel. Flori-George's county. Owing to the heavy riding and fox, were thrown out. This may be called a blank zel was one of the most unequalled race horses ever raised in Virginia, having never paid forfeit or been Tuesday, Feb. 6th.—A gentleman from Fairfax beaten; the utmost of his speed (like the English joined by appointment with seven dogs, among Eclipse,) was never known, as no horse that conground, occasionally crossing to the pine cover them the famous bound Ruler. Found on Piney tended against him could come within reach of his where the first fox was found. The writer is not hill; doubled round that and broke away for a disheels. He was a horse of fine size, (sixteen hands,) informed of the result, having at sun-down made the best of his way to Graeff's; where the whole open grounds, leaving Arlington to the left, and the line system that the invested horse Diagnet, he has flurgal. company was soon re united in good trim to enjoy Georgetown ferry to the right, reached Gen. Jones's got by the imported horse Diomed; he by Florizel; the cheerful fire and cheerful board that awaited us; farm, doubling to the left, made the Doctor's branch; and he by King Herod. King Herod, in nineteen and where the evening was spent most pleasantly down that, crossed the four mile creek to the Fac-years, got the astonishing number of four headred

thousand pounds sterling, nearly equal to a million rough bred.) The dam of Tuckahoe, by the imhorse Clockfast, (half brother to old Medley,) great granddam by old Wildaire, one of the linest stalmare Kitty Fisher.

MISCELLANEOUS.

BANKING SYSTEM.

We have been for a long time impressed with the truth of the reflections contained in the following extract. They are not now promulgated for the first time; if we mistake not, they agree with the predictions of those who were opposed to the charter of the Farmers' Bank of Maryland, and to the whole scheme of country banks in our state. Too many of the evil consequences foretald at that time, have since become melancholy matters of broken fortunes of those who have been swallowed unconscious of their danger. The evil effects upon the landed interest, which result from easy borrowing, on short discounts of uncertain continuance, are here described with a liveliness and truth that reminds us of remarks on the same subject, by the well known and deservedly popular author of "Letwhich they are taken may be by the same pen. We have only seen what has been copied from it, by the Editor of the New York Evening Post.1

tors of the land, whose labours are the blessing of terest every sixty days. The agent of the bank, by his bank accommodations, enough to pay the every country, and whose products the staff of life who very likely has a notion of making a snug spetoscount, and a little besides for bimself. But the to all mankind. I speak of what has passed under culation himself out of the farm, watches our honest my own eyes, when I say that a country bank is a farmer as a cat watches a mouse, and plays with for money out of the produce of his farm, must rise nuisance of the worst kind to all parts where its influence extends. It at once begets among the farmers a taste for expensive improvements, and is the more at taste for expensive improvements, and is the the note which by this time has nearly approached. This is the case where he pays interest only once a parent of a thousand imaginary wants, which it af- to a tolerably fair price for half the farm, must be year, and the creditor is content to wait till he can fords at the same time the momentary means of paid. The farmer tries to sell his farm, and realize thresh his grain, kill his hogs, and bring to market supplying. The old Dutch barn, which answered his great speculation But no man ever gets a great all he has to sell. But it is infinitely worse where the purposes of his honest old-fashioned father, and price when it is known that he must sell. Besides, the liability of payment recurs, regularly, every sixhis own, must be pulled down, and replaced by one the little bank has it always in its power to make ty days, and where the interest must be paid on a of a more improved construction, and far more exmoney scarce in the neighbourhood, by calling in certain day, or added to the principal. His harvest pensive. One expense begets another. The house to which it appertains. A new house requires new furniture, and a mode of living to correspond with way, before the fical catastrophe—to wit; the failure farmer, who survived a bank discount, and he was the rest of the new creation. There is a capi- of the bank, and the loss to the public of perhaps tal mill seat on the farm, and though there are a plenty of mills for all the uses of the neighbour hood, the demon of speculation whispers him to crust of bread for a shoulder of mutton-a shadow build a merchant mill, with all old Oliver Evans' for a substance. machinery, and heaven knows what other improvements besides. Thus he goes on with improveears in debt.

the want of means,

"These are promised him with unlimited generosity, by the liberal gentleman aforesaid. It is only ing, upon the mischievous disadvantages of these to give his note backed by a mortgage, or assign-short accommodations in the mercantile commument of his land, and money will rain down in nity, apply with ten fold force to the business and ters from the South." Perhaps the pamphlet from showers. The note will be renewed at the end of condition of the farmers. The merchant buys one sixty days, as often as he wishes, and in the interim day, and sells the next; and that punctuality with there will certainly be opportunity for a great spe culation. The bait is swallowed; the note signed, to his existence, enables him to calculate with some the mortgage recorded in doomsday book—the mo-degree of certainty, on receiving, or being able to "But however dangerous may be the temptation, ney received and the mill built; but no grist comes pay, a certain sum of money on a certain day. Beand injurious the consequences of an unlimited paper system, to the mercantile community, there is lation. Sixty days are like sixty minutes, to a man meeting his engagements, unknown to the farmer, another, the largest, the most wealthy, and the most valuable portion of this or any other state, to whom but flies with debtors. The note is renewed, with sidered a bankrupt if he omits to pay on a specified the multiplication of little banks, is still more inju- the interest added. It is astonishing, gentlemen, how day. The merchant, moreover, if in any regular rious. I mean the farmers; the owners and cultiva- a debt grows, when it is thus fed with a meal of in- business, will, generally speaking, be able to make

three times the real amount of its nominal capital, bank being ruined, before it had time to ruin him. It is a fair exchange-rags for lands and houses-a

"Such consequences are not accidental, but inevi-

table. I have visited many parts of this country, ment upon improvement, till he is over head and and been much conversant with the life and history dressed in smiles. But the heart of the poor tenant of the farmers. I was born and brought up among at will, rejoices not in what now no longer belongs

But where does he get all the money for these them, and have ever been in the habit of taking a thousand pounds stering, hearly equal to a limitor of dollars. The dam of Florizel, by the imported Shark, granddam by Harris's Eclipse, (a son of old Reamought, out of an imported mare—imported Fearmought—imported Shock, &c. &c., being the Fearmought—imported Shock, &c. &c., being the state of the neighbourhood, falls crawl upon the outside crust of the country; but the accidentally in his company, at an election, or at the cultivator of the land is anchored in its bosom, and ported horse Alderman, granddam by the imported little market town, and begins by wondering why he is as much a piece of his farm, as a sailor is of his don't build a new barn, a new house, a new mill, or ship. In all my observation and experience, I can undertake some other great improvement on his honestly declare, I never knew an instance of a counfarm. Every thing is rising at the moment in its try bank, which did not eventually produce such a lions ever raised in Virginia, being got by old Fear-nought, dam by Jolly Roger, out of the imported nominal value in consequence of the floods of paper state of things as I have described. And it cannot poured forth by the new bank; and those improve- be otherwise-it is in the nature of man, and in the ments will enable him to sell his farm to great advantage, and make a capital speculation. The peo-ple of the United States are a race of men having their causes. Wherever you throw temptation in lew, if any equals in the world, in all the essentials the way of men, and at the same time afford them of a great nation. But they have their fuibles, the means of gratifying their longings, you do all They cannot harden their hearts against the sedue-that is necessary to ensure their yielding to these tion of Speculation. At that magic word, their temptations. The first and most certain consequence eyes begin to sparkle; they prick up their ears, and of establishing a bank among a simple race of yeosnort, and curvet, and caper about, like the young manry, is to tempt them from their usual habits of war horse in the meadow, when he hears the sound economy and prudence. The examples of those who of the trumpet. Like him they run from one side share in the favours of the bank; the improvement to the other, poking their heads through the fence, and embellishments they are thus enabled to make; or measuring its heights with their arched necks to and the increase of luxuries they display in their see if it can be cleared at a bound. Nothing can style of living, are but too apt to tempt others to restrain them, and finally, they either break down participate in these novel delights. Men do not like fact, and if it be now too late to redeem the the barrier or leap the gate, and away they go, to see those with whom they have been hitherto on looking neither to the right or the left, before or an equality, suddenly shoot ahead of them in the those who are approaching under full sail, and in easy confidence, the margin of the same whirlpool, overcome. He is determined to make a speculatory suddenty, sudden tion, and nothing delays him a single moment but into a habit of taking up money, in loans of sixty

"The remarks which I took the liberty of offer-

its loans or refusing discounts. The catastrophe is of wheat; his haymaking; his beef and his pork; which kept the old barn in countenance, and was inevitable—the farm is sold, and ten to one, bought his receipts of money, in fact, only happens once a kept in countenance by the barn, can no longer in by the bank, at a great sacrifice; and the next year, and once only, or at most, twice in the year, is hold up its head; it is disgraced by the modern structhing you hear of our honest farmer, he is on his way he prepared to pay any considerable sum of money. ture and must also be pulled down, to make way either to jail, or to Missouri or Arkansaw, in search How then can be endure for any length of time, for a palace, which is far too large for the ground of a new speculation. I have seen half a township, this rapid succession of demands, and this unceaseither to jail, or to Missouri or Arkansaw, in search How then can he endure for any length of time, aye, gentlemen, half a county, change hands in this ing accumulation of interest? I never knew but one

> "Thus it is, gentlemen, that a deceitful painted spectre of prosperity is seen to stalk for a while in the neighbourhood of one of these pernicious institutions. The houses become better; the barns more eapacious; the fences more neat, and the fields are

to him. His pillow cases are finer than they were, led with the last number. A single number will be the bright sunny morning on his inheritance with indebted, and will gladly reciprocate their kindness. the calm satisfied eye of unincumbered possession; nor stand as he once did, erect and independent be-fore the first in the land. He is in debt and a slave many of the most distinguished practical farmers to others. The profits of his land-the land itself, in the Union. belongs not to him; and thus a race of honest, industrious, virtuous, and independent farmers, is exchanged for shungle palaces-painted fences-unneof a genteel drawing room, for country gossips to of some gilded gewgaw.

"How is it that a bank is necessary to its attainment? Either the projectors of this undertaking for the public good have the capital or the credit necessary to its completion, or they have not. It the former, then a bank is not necessary; if the latter, I would ask, who takes the risk of the failure of the project? Certainly the people at large, among whom the notes of the bank have been circulated. If the little all is in the soil? project fails-if the funds are embezzled, misapplicd-or if the cost, as is generally the case, far exceeds the original estimates, and the bank fails; as a matter of course, the holders of its notes are the sufferers, and the public, as is usual in all these projects for the public good, either directly or indirect-

ly, pays the price of the failure.

"In the history of these projects, based upon banking privileges, the bank bas generally, if not always, been found to depend upon the success of the former. Where the object was really prosecuted in good faith, the failure of the project was either preceded or succeeded by the failure of the bank But the ordinary course has been, and probably will the ensuing season in the vicinity of Brunswick continue to be this:-the public good having an county, upon the border of North Carolina. This swered its purpose of a ladder, by which the real situation has been selected as most central, and object, the bank, was obtained, is kicked away with- with the view of accommodating the many gentleout ceremony; the project is left to die a natural men in Virginia, North and South Carolina, owndeath, while the bank continues in operation, to the ing mares of the Sir Archy stock. marvellous benefit of the projectors.'

MIGRATION OF BIRDS.

Campbell's Station, Tenn., Jan. 30, 1827.

MR. SEINNER,

Sir,- The wild pigeons have this day been passing this place, going north, in vast numbers. S. M.

THE BARMER.

BALTIMORE, FRIDAY, FEBRUARY 16, 1827.

We wish that every friend of this journal should understand, and that they would have the kindness to make it known, that to any one who will procure four subscribers and remit their \$20, we the American Farmer, 2d January, 1824. Apply at this will send the American Farmer without charge—or, office. any one who will procure five subscribers, will be allowed to retain \$5 on his remitting the remaining \$20. We beg also to repeat, that all which is ne cessary to be done by any one, wishing to subscribe, is to inclose a five dollar note by mail, at the risk of the Editor of the American Farmer, Baltimore-and whether the money be received or not, the paper will be forwarded immediately, and the actual receipt of early number of the volume will be guaranteed by the Editor.

page to the whole volume, is published and forward- Birds-Editorial items.

but they pillow an aching head—his curtains are tarkent to any one who may desire to see a specimen more fashionable-but they hide an aching heart, of the publication. To all editors who will give and a sleepless man. He can no longer look out in the above one or two insertions, we shall feel much

P. S. The American Farmer is circulated through

\$\int At the instance of Mr. Buchanan, delegate from Baltimore county, entitled, already, by his industry cessary outhuildings, and the superfluous trumpery and intelligence to be ranked amongst the leading meet in, and envy their neighbours the possession tee has been raised in the House of Delegates--called the Committee on Agriculture. Assuredly there is a wide scope and ample occasion for inquiries into the causes of the decline of agriculture. A bill has just been past by the House of Representatives in Congress, to insure a fortune-ate result to the few holders of large capitals employed in woollen manufactures. Can any thing he done, in the way of legislative help, to save from ruin the many whose

> 15-It is stated in a Boston paper of the 6th inst., that there were received the day before, in a long train of sleds, about 20,000 lbs. of wool, consigned to Messrs. Livermore & Dunn. This wool is from sheep kept in the town of Orrville, Vermont-where it is estimated 100,000 lbs. of wool were sheared last year; and where, we are told, there are individuals who keep from 600 to 3000 sheep.

> ECLIPSE.-We mention for the information of the breeders of blooded horses, that Eclipse will stand

> The different papers (especially those to the South of New York,) will confer a favour on the owners of blooded mares, by inserting this notice, as Eclipse will certainly return to the North in the fall.

> TOBACCO.—The reason for not making particular mention of this article, is because there is nothing doing with it. If any thing occurs to make a stir in the market, our readers shall be apprized

€≯Hay is selling for \$18 per ton—Straw, \$12.

WANTED.

A person capable of erecting a Picceny, on the plan set forth and established by Mr. N. Ingersoll, of Massa-ehusetts—a description of which, with all the fixtures appertaining to it, can be found in the 5th volume of

FOR SALE,

A full blood Devon Cow, three years old, with a Devon bull calf by her side. To save trouble, the price asked for them is \$120. For particulars, apply at this Feb. 16.

CONTENTS OF THIS NUMBER.

New objects for the attention of Maryland and Southern Farmers, On the Cultivation of Hops-Charac-The American Farmer is published weekly—about one half, or four pages, devoted to practical Agriculture; the remainder to Internal Improvements, Rural and Domestic Economy; selections for ments, Rural and Domestic Economy; selections for housekeepers and fémale readers, and Natural History and Rural Sports. A minute index, and title of Tuekahoe—On the Banking System—Migration of

PRICES CURRENT.

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SKINNER, Editor, by John D. Toy, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

ON THE CULTIVATION OF HOPS. (From the Memoirs of the Board of Agriculture of the State of New York.)

(Concluded from page 378.)

performed, the common rule is to begin as soon as spaces or openings towards the south or south-west, has been lilled, the hops are put into a large sack, and the mouth of it well secured, after being distinct the plants may derive the more full influence in order to their being taken home, to be dried on engaged from the frame. In performing this busions is should always be personally and the stoutest on the side which kins for the purpose. This should always be personally and the mouth of it well secured, after being distinct the plants may derive the more full influence in order to their being taken home, to be dried on ness, the closer the hops are pressed into the bags has a northern aspect, the more powerfully to resist formed as expeditiously as possible after the hops the winds. The poles are most commonly fixed in have been picked, that they may not sustain any taste more perfectly.

In the operation of drying and rendering hops formed, and the sharpened root ends of the poles especially when the weather is warm, to be much course take place. According to some, sixty bushels forcibly placed in them, the earth being immedidamaged, both in colour and flavour, in the course of well ripened, fresh gathered hnps, which have them.

these points, much injury and loss may be sustained by the destruction of the plants. When the poles are set, two or three of the binds may be di-diligent picker will separate from eight to ten the hops, that it should be preserved as bright as rected up each of them, being sied, in the manner bushels a day, which, when dried, may weigh about possible; though it is not always the case that those advised before, in different places by laboure the one places to place to ed as there may be occasion for it. When the poles price is variable, according to the abundance or are high and the binds strong, standing ladders may scarcity of labourers. From sixteen to twenty exbe useful in tying them near the tops.

particular attention in the early part of the sum- an oast at work that is capable of drying off eighty mer. When short and slender poles have been hushels at each measuring. put to hills where the binds prove of strong and vigorous growth, it may sometimes repay the trouand stronger kind put down in their stead. The benefit obtained by this practice is often consi-

derable.

During the summer in the more early growth of the plants, the superfluous binds of every kind of a cart, horse, or hand-labour, according to the quarter, and that for a pocket nearly the same, each should be repeatedly removed as they present them-distance of the plantation from the kiln. should be repeatedly removed as they present them-distance of the plantation from the kila. selves, reserving only one or two on each hill to supply the places of such as may be hurt in being trained to the poles at first, as accidents of this nature often occur, in consequence of the tender bads upon this work being properly performed. being bruised or rubbed off by the agitation of the

the beginning or middle of September.

thing proceeds with regularity and despatch, as however, at present, are greatly advanced.

there is always much danger from delay, the crops Where what is termed a cockle oast is made use them. The work is usually performed by the acre, number proportionate to the extent of the planta- of that sort of coal would be injurious, charcoal is the base, the tops uniting as closely as possible. In

latter are constructed by nailing four or more pieces generally bought for about fifty shillings the load, of boards on as many upright posts as frames ser which consists of fifty sacks. into the ground. When finished, they are about In the poling, which is the next operation to be close to the surface of the land by a person accus- which the edges of the opening of the bag are sethe binds have advanced two or three inches above tool for the purpose, which is termed a dog, or pull-jof toops being then tied firmly in each of the lower the surface of the ground, which is in general about ing-hook They are then placed upon the frame corners, the bag is let fall below, and a person termthe latter end of April, or beginning of May. The with the bind upon them, mostly two, but some ed the packer, gets in, and with a heavy weight, number of poles that are the most proper and ad- times three, in order to be picked: three, four, or which he keeps continually moving round, where vantageous for each hill, has not been yet well more pickers being employed in clearing the binds he is not immediately treading, tramples and pressascertained by planters; but as it has been shown of the hops on each side of the different frames; es the hops down as closely as possible into the that a full and free admission of air, light and sun, these, with the person engaged in sorting the poles, is essentially necessary to the healthy growth of the are denominated a set. Women and children are another person employed for the purpose. In this plants, they should never be too much crowded frequently employed in this work. The hops, after manner he proceeds until it is quite filled, when Three is the most usual allowance, though a great-being carefully separated from the leaves and binds, each of the upper corners has a few hops enclosed er number is often employed. They should be are dropped into a large cloth hung round on tenter in them in the same way as the others, which serve placed in such a manner as to leave the largest mooks within, underneath the frame. When this holes to the depth of eighteen or twenty inches are state; as where this is the case they are often liable, proper for the bag, some loss of weight must of ately afterwards well rammed, or trodden about of a few hours, by the heat which they take on not been attacked by the fly, will produce, when For this reason it is necessary to keep the oast, or dried and bagged, about one hundred weight. The difficulty of this business chiefly consists in kiln, constantly at work, ooth night and day, durpitching the holes to proper depths; in setting the ing the time of picking. The number of pickers different circumstances, as the clammy feel of the poles down with such exertion as that they may fix should, therefore, be as nearly as possible propor- yellow, farinaceous, powdery substance which is themselves firm at the bottom, and that the tops of tioned to the quantity of hops that can be dried off sprinkled over them, and their colour. The former, the poles may have such a direction outwards, as by the oast. And where, from the nature of the in the language of the hop planter, is termed the to obviate as much as can be the housing of the season, or other causes, the undried hops are suf- condition, and the sample is esteemed the more or binds. Where due attention is not bestawed on fered to accumulate, they should always be placed less valuable by the buyers, in proportion as the

In cases where the crops are pretty abundant, a pert pickers will be necessary in favourable seasons article. The brightest hops, and those which have It has been observed that this work demands and where the produce is rather abundant, to keep the finest colour, are put into bagging of a better

son will be requisite in the hop plantation, in order made use of in the brewing of ales and all the finer to pick up the scattered branches of the binds, and convey the produce to the kiln. A boy is in gene-making of purter. Where hops are to be kept for ble to have them removed, and others of a taller to pick up the scattered branches of the binds, and ral employed in this business, who, from the nature some length of time, the coarse bagging is, howof his work, is commonly called the pokeboy. 'The ever, the best. conveyance of the hops is accomplished by means

these operations, are always considerably influence either of an inferior quality, or have been injured these operations, are always considerably influence in their preparation. The planter will be best distributed by local and other circumstances. In Kent, betill the season at which the hops become ripe, and fore the late advances in the price of all sorts of rected in respect to the duty on hops, by perusing are ready to be picked, which is known by the fra- farm labour, it was usual for the pole-pullers to the excise laws respecting them. grant smell which they emit, their becoming tirm, have from eighteen pence to two shillings the day, and acquiring a brown colour. It is usually about with small beer; the driers half a crown, with an will be proper to clear the poles of the binds, and unlimited atlowance of both beer and spirits; the set them up in stacks as soon as possible, unless, as Much care and circumspection is necessary in pickers from three half pence to two pence the is sometimes the case, it has been door at the time the performance of this business, to see that every bushel, with allowance of spirits, &c. These wages, of picking, as they are apt to sustain much injury

being equally exposed to injury from the winds as of, sea coal is mostly employed as fuel; a chaldron the poles being piled up into square stacks; thirty continued rain. As a preparation for this business, being considered the proper allowance to a load of or forty poles being set to each corner, which should baskets, bins, or cribs, are procured or formed, in hops. But where hair kilus are in use, as the smoke stand about twelve feet apart in each direction at

tion and the pickers that are to be employed. The had recourse to for the purpose, which in Kent is

For the convenience of bagging the hops, a round seven or eight feet in length, three feet in breadth, hole or trap is prepared in the floor of the stowage and about the same in height. The apparatus be-room, exactly equal in size to that of the mouth of ing thus made ready, the hop-binds are cut over the bag, on which a frame of wood is placed, to tomed to the work, and the poles drawn up by a curely attached all round. A very small handful

The goodness of a sample of hops depends upon feel is more or less clammy; and in regard to the latter, it is of the utmost importance in the sale of

planter to make a distinction in the bagging of the quality, and termed pockets; while those of the brown kind form bags, being put in bagging of a Beside the pole-puller and pickers, another per-coarser and more heavy sort. The first sort are

The length for a bag is about two ells and a The drier, or person employed in the kiln, should are good, well cured, and tightly trodden in, weigh be perfectly acquainted with the business, regular about two hundred and a half; and the latter, when and steady, as much of the planter's profit depends of the Canterbury pocketing, about one hundred and a half; where they much exceed or fall short of The wages of the different persons engaged in these weights, it may be suspected that they are

No. 49. - VOL. 8.

this way an opening is formed below, which contri butes to dry and preserve the poles.

in any way improper for further use, should be laid tolerably favourable years, it may be estimated at sort, in the different stages of their growth, is that aside, in order that such of them as are suitable from six to eight or nine hundred weight, from ten which is warm without much rain, and where south may be employed in the new plantations; and that the planter may fully ascertain the proportion of duce of twenty hundred weight but rarely occurs, plant which never succeeds well in such seasons as fresh poles that may be necessary for the following and is much too large for the planter in general to are wet, or when either casterly or northerly winds season, which it is of great advantage to have provided, brought upon the ground, set up conveniently in stacks, and sharpened, when there is leisure in the winter months. The points of the old ones may also be put in order at the same time, and nothing be thus left to interrupt the business of poling at the proper season. The best poles, which are those of ash, chestnut and willow, of the length of from eighteen to twenty-four feet, will seldom last longer than six or seven years; and those of an inferior kind, as from beech, maple, oak, &c. not nearly so long. The bark is shaved off all the sorts except those of the ash kind, (in which it separates of its own accord in the second year,) in order to prevent their being destroyed by worms lodging in them.

After the poles have been stripped and stacked up, the bind should be cleared away, which, in some districts, is done by tying it up into bavius, or small bundles, when perfectly dry, and putting it in stacks, sheds or other convenient places, for the purpose of fuel in ovens, &c. This work is performed at the rate of about six pence the hundred. In others it is burnt upon the ground; and, in some, the labourers are permitted to take it home for their own use. But whatever method is adopted, it should invariably be removed, to prevent its interfering with the future digging of the plantation, which is

the next operation to be performed.

This should be executed as early as possible in the autumn or winter months, in order that the land may have the full influence of the frosts. The work should be performed in a dry season, and be accomplished with as much expedition as possible, the most careful and trusty labourers being always employed. It is usually done at a fixed price for crown. The labourer makes use of a three-prouged fork, which in some places is termed a spud, for the purpose, each prong being about an inch and a half in breadth. It is of great consequence that this operation be executed in a very perfect manner, much of the success of the plantation depend ing upon it. If there should be any binds of an improper kind, they may be now removed, and others of the proper sorts put in their stead.

And though manure may sometimes be omitted in the second year where the soil is very rich, it been just stated. should be carefully applied before the business of the winter digging commences in each succeeding ting out the culture of crops of this sort to labour one, in the proportion of about twelve full cart ers who are experienced in the business, in some loads to the acre; fifteen loads of good fresh vegetable earth having been well blended and incorpomonths before. In putting this compost upon the land, small one horse carts with three wheels are count is stated in this way: sometimes recommended as the best adapted to Undertaker's charge, he paying and the purpose. It should be laid in small heaps; and, in digging the plantation, be well blended and in-termixed with the mould that surrounds the hills, at the distance of about a foot from them. The Rent of land, . . . old stocks, when they begin to decline, as every Poles. . . tenth or twelfth year, or much longer in some Manure, . cases, should be taken up, and another portion of Tythe, . ground fresh planted; or, what is better, a suitable Bagging cloth, . proportion of the old plantation, and an equal portion of new, broken up and planted annually, or every other year, so as to preserve a regular succes already observed

affording, under different circumstances of soil and and pays the worknien, being about one pound the season, from two hundred to upwards of twenty At this period all such poles as are too short, or hundred weight on the acre. On medium soils, in fix his expectations upon.

The whole of the expenses incurred in the cultivation of these crops, and the profits which they

Expenses per Acre.

ı	2300 011000 101 021101	
l	Medium price of an acre of land suita- l. s.	d.
ľ	ble for hops, 1 10	0
l	Digging the ground, 0 13	0
	Dressing and pruning, 0 8	0
	Poling 0 15	0
	Three hoeings, 0 9	0
	Once moulding, 0 3	6
	Tying the binds to the poles, 0 12	0
	Stripping the binds off the poles, . 0 3	0
	Stacking the poles, 0 4	0
	Sharpening the poles, 0 10	10
	Manuring,	0
	Picking, drying, and duty, at 1l. 10s.	
	per hundred, the crop being estimat-	
	ed at 12 cwt. the acre, 18 0	0
	Bagging, and occasional expense of	
•	bags, about 0 16	0
	Ash poles, estimated at 30,250 to the	
1	acre, and supposed to last eight	
	years, medium price 18s a hundred	
	at the stub-eighth part of which is	
•	nearly	(
	Carriage of ditto, estimated at 1 5	(
	l.3t 2	4
á		

Produce.

Supposing 12 hundred per acre, and that the medium price is 41 (\$1976)

And the expenses deducted out of the produce, will leave a medium profit . l. 16

The expense of forming new hop plantations is very considerable. In Suffolk, it is estimated at from seventy-five pounds to one hundred, when every thing that is requisite is included; the annual charges being nearly the same as those which have

In the county of Kent, where the practice of letmeasure prevails, they are said not only to find a saving of expense, but to be so much relieved, in rated with it by frequent turning for ten or twelve respect to the trouble of the different operations, as to consider it the most advisable mode. The ac-

> finding labourers for the different l. operations, 10 Picking, drying, and duty, 0 10 10 0 1.28 10

sion, at an easy and gradual expense, as has been and recourse is had to the use of the nidget, the if any excessive heat is discovered in a foot, it expense will be a few shillings more, as is shown proves that the first operation has not succeeded, There is scarcely any sort of crop that varies in the first estimate; the difference in favour of this and a second cutting must take place without delay. more in the quantity of produce than that of hops, practice, from that where the planter procures "The caustic remedies which I have found most

The weather most favourable to crops of this to fourteen being considered as good crops. A pro- or south westerly winds prevail; as the hop is a continue for any great length of time during the summer months. Hot gleams of sunshine after rain, or after foggy mornings, in the latter summer afford, are stated in the following manner by Mr. months, also prove highly detrimental to these Kent, in his useful Hints to Gentlemen Farmers: crops. High winds towards the approach of the picking season, likewise produce considerable mischief, by bruising and otherwise injuring the hops. When unfavourable weather takes place, about the period in which the plants are in blossom, it is seldom that the produce is good or abundant, as many of the burs generally suffer in such a manner as to prevent their forming perfect hops.

In most cases, the very forward binds suffer more from all the different accidents to which hop crops are exposed, than those that are later and of a less vigourous growth, it may, on this account, therefore, sometimes be advisable to remove all the very

forward binds.

FOOT ROT IN SHEEP.

(From the New England Farmer.)

Mr. Fessenden - The following remarks on a disease which has lately appeared among the sheep of this country, are translated from a letter I received this morning from an intelligent correspondent at Leipzig. I think they may be of service to many of our wool growers, and therefore lose no time in offering them for a place in your valuable journal

Respectfully, your obedient servant, THO'S SEARLE. Boston, Feb. 7, 1827.

"The foot rot is a complaint which has ceased to create the least uneasiness in this country, doubtless because means have been discovered to cure it readily and without expense.

"It is true that when neglected and allowed to spread itself, the cure may become difficult, and some sheep from loss of appetite occasioned by its long continuance, may not recover. I feel certain, however, that not a single sheep is lost in all Saxony, from this cause, as we have learned to remove the complaint immediately, as soon as it shows itself in a flock. In order to become fully acquainted not only with the symptoms of this disorder, but also with the means of cure, I some time since insulated a small flock, suffering it to spread itself more or less in different sheep, when it appeared that the longer the complaint had been in fixing itself in the system, the more difficult it was to cure: for while the least infected were thoroughly restored in a fortnight, I found that from six to eight weeks were required to cure the cases of longest standing. The most effectual method of cure is the following: Cut away with a sharp surgeon's kuife, not only the superfluous hoof, but also all the disd. eased flesh under it. This may be distinguished 0 from the healthy flesh by its greyish colour. Be-0 ing well satisfied that nothing unsound remains in the foot, I then apply with a brush to the fresh 0 wound some caustic liquor, and immediately place 0 the patient in a separate clean stable.

"It is surprising to see animals thus treated, who were yesterday hubbling about on their knees, spring up to day and run about with the flock.

"It is necessary, however, to examine the conva-In these cases, where summer digging is omitted, lescent daily, and repeat the liquid application, and effectual, are diluted oil of vitriol and aqua corulea. beautiful breed of cattle is celebrated. Notwith sight had produced in the improvement of their fo-The latter in the state in which it is found at the standing she had been kept, thus far through the rests. It was mortifying to me, with strong naapothecaries without any addition. The oil of vit- winter, without grain, she was in high condition; tional feelings, to see fairer and finer trees, of spcriol I mix with three times its quantity of water, the best evidence that could be offered of her discides peculiar originally to our country, and unknown or for cases of not long standing, with sumething

"I have been the more particular in detailing this lips. mode of cure, because it seems probable you may do a service to the owners of sheep by communicating it to them. There are several pamphlets to this complaint, which I will purchase and forward Lancaster county. you by the earliest opportunity. They contain, however, many things which are of little use to the practical man.

"The foot rot, at its first appearance in Germany, occasioned great uneasiness and alarm, and will doubtless have had the same effect in your country. I am, however, fully convinced that after a few years, and when your farmers have discovered that low, 295 lbs. this scare-crow is harmless, notwithstanding its frightful appearance, they will treat it with the

same indifference as ours do now."

PHILADELPHIA SOCIETY FOR PROMOT-ING AGRICULTURE.

Annual Meeting, Jan. 16, 1827 .- Dr. Mease, Vicepresident, in the chair. The following officers were unanimously re elected:

President .- Richard Peters.

Vice-Presidents.

William Tilghman, Nicholas Biddle, James Mease, I. C. Jones.

Secretary and Librarian .- W. S. Warder.

Treasurer .-- W. M. Walmsley.

Corresponding Committee.

Richard Peters. James Mease, William Tilghman, John Vaughan,

Z. Collins.

Curatars.

Reuben Haines. R. Vaux,

Stephen Duncan. Jer. Warder,

John H. Powel.

The following communications were read:-

1. On the importance of the manufacture of parmesan cheese to the United States, by Dr. Mease, with details of the process, from different authori-

2. A letter to the chairman, from Benjamin Harrison, of Berkley, Charles city co., Virginia, relating additional facts of the efficacy of a drench of cedar berries in curing the murrain in cattle. An account of this remedy, by Mr. H. is contained in the 5th vol. of Memoirs of the society.

3 By Mr. Philips, on the culture of rape, and its use as a winter food for cattle.

mutton, determined by a recent trial of the saddle of a wether, imported in the year 1824, and subjected to the ordinary keep of a Pennsylvania farm, without grain.

5. By Mr Powel, on breeding cattle and sheepon the adaptation of different breeds to the various purposes, climates and soils of the United States.

offered for the premium proposed at the last annual meeting, viz: "A silver cup, value \$50, for the best specimen of long or combing wool, reference being ber, and without a due reflection, or even knowhad to the form, properties, and characteristics of ledge, of the laborious steps by which our succes- No 2; or why did not each task produce the same the animal, affording most flesh and tallow with sors will be compelled to supply them. It is like quantity? least offal," reported in favour of Mr. Powel's "tho- the thoughtless waste of the spendthrift, who lives rough bred Dishley sheep, recently imported by him upon his capital, without recollecting that its in tion, or did the evening or morning breezes come from England."

Mr Pawel having exhibited one of his imported heilers of the improved Durham short horn breed, Europe. the committee added, "she possessed in a high de-

position to fatten on simple food." Committee- in Europe, (till the discovery of this country,) in

7. Mr. Powel adduced evidence of the dairy properties of certain families of the improved short horned breed, among which were recent letters from

COMPARISON OF SEVERAL EXTRAORDI-NARY OXEN.

SOVEREIGN

Live weight, 3086 lbs.; beight, 5 feet 9 inches; length, 9 ft. 2 inches; girtu, 10 ft. 3 in.; rough tal-

Sovereign's Mate.

Live weight, 2800 lbs.; height, 5 feet 10 inches: length, 9 ft; girth, 9 ft. 6 in.; rough tallow 307 lbs Columbus.

Live weight, 2962 lbs.; height, 5 feet 9 inches; length, 9 ft. 1 in.; rough tallow, 218 lbs.

DELAWARE OX.

Live weight, 2688 lbs.; rough tallow, 2781 lbs.

BRIGHTON Ox.

Live weight, 2798 lbs.

DUNHAM OX.

Live weight, 2744 lbs.

Sovereign and his Mate, were raised in the state of New York; fed by Mr. Fink. of Orange county where they obtained a premium from the agricultural society. Sold to Thomas Gibbons, butcher, of the city of New York. The Mate not weighed, but supposed to overron the estimate.

Columbus, and Delaware Ox, both slaughtered in Baltimore-published in the American Farmer,

vol. 1. page S

Brighton Ox, exhibited in 1819, obtained the premium from the Massachusetts Agricultural Society, being a few pounds heavier than any before exhibited at Brighton.

Dunham Ox -This celebrated English ox was out of a Highland cow, which weighed only 346 lbs. when slaughtered, and was probably the most perfect animal, having less bone in proportion to its

ON THE PLANTATION OF FOREST TREES.

Roxbury, Oct. 21, 1818.

GEO. W JEFFREYS, Esq.

Sir .- Mr. Quincy, a few minutes since, put into my hands, your letter of the 6th of October, and 4. On the extraordinary excellence of Southdown although it will require some time to answer, in any manner satisfactory to myself, the questions you propose, yet I would lose no time in acknowledging the receipt of your very polite communication -The very favourable opinion which you have been demands of me a respectful acknowledgement.

6. The committee appointed to examine the sheep of our state demolished with a heedless and extra-cluded from its equal share of atmosphere 1 imatable consequences, a scarcity of both fuel and tim- in a more favourable situation to receive the food come must inevitably diminish, and finally fail. Ill fron. thence? health in the middle of my life obliged me to visit

Aaron Clements, Michael Newbold, William Phi-lips. the cultivated plantations of Great Britain. At the same time with us, I saw the finest trees selected either for fuel or other inferior purposes, and the quality of our forests daily diminishing

I was extremely struck with another circumbe had here describing the symptoms and cure of Dr. Elmer, of New Jersey, and Mr. Carpenter, of stance, that the number and value of trees, merely planted out as ornamental to an estate, were so great, as to afford a very important resource both for fuel and timber. A border of trees around an estate of 500 or 1000 acres, not more than 20 or 30 feet wide, furnishes a great supply of fuel and timber, merely from the occasional thinning, which the growth of the trees renders indispensable. I do not place to the account, though it is worthy of consideration, the effects on the landscape of a country, nor the shelter afforded to your crops. know that the opinion is that they are unfavourable to culture; that their shade is exceedingly injurious. This is true to the extent of a rod or two, but the rest of the land is exceedingly benefitted, and you are enabled to sow earlier, and your crops are sheltered from early frosts in autumn and late ones in spring. I shall do myself the honour of answering your questions in the best manner in my power, at an early day. Nothing would give me more pleasure than to contribute, in a very small degree, to the improvement of the agriculture of our country, and I know of no point in which it is in New England so deficient as in the management of its woods When wood shall come to be sold by the pound, as in some parts of France, then our nation will feel the necessity of attending to it, and of employing agents, as she has done, to inquire in foreign countries, what may be done for its preservation and increase. How much better to take measures of previous precaution to prevent its destruction?

I have the honour to be. Very respectmenty Your humble serv't, J. LOWELL.

FOR THE AMERICAN FARMER. INDIAN CORN.

Remarks on Mr. Seabrook's Tasks, Nos. 1 and 2. (American Farmer, vol. 7, page 35.)

To have come to a just comparison of the relative productiveness of each part of the ear of corn, there should have been three tasks, as follows:

No. 1.	No. 2	No. 3.
POINT.	MIDDLE.	BUT-END.
MIDDLE.	BUT-END.	POINT.
BUT-END.	POINT	MIDDLE.
· · · · · · · · · · · · · · · · · · ·	·	·

The point, middle, and but-end would then alternately have occupied an outside, to receive the pleased to express of my remarks on forest trees, benefit of air, so important to a correct estimate. Mr. Scabrook has continued the middle of the ear I have seen, with great regret, the native forests in the centre of each task, hence it has been exvagant profusion, utterly disregardful of the inevi-gine the upper left hand corner of task No 1, was for plants, than the lower right hand corner of task

Was not the adjacent land better in that direc-

Perhaps Mr Seabrook's last experiments (vol. 8, p. 298.) have placed the point of the ear in the I was there astonished and delighted with the centre of his ground, and the but-end in the most gree all the fine points for which that valuable and effects which necessity, taste, and a prudent fore-fortunate situation. Experiments of this kind can

be most correctly tested in the middle of a field, where all the parts are equally secluded from an undue proportion of the passing breezes. When Mr. Seabrook has looked over these remarks, and adverted to the probable local advan ages of each part of the ear, he may, perhaps, see why the result of his two experiments are at war with each other.

It may not be amiss, whilst on the subject of experiments, to state, that, like Mr. Mercer (vol. 8, p. \$23,) I have uniformly, for the last four years, planted no corn but such as I had carefully gathered (in ers at an agreeable height from the ground, retains freely. Loudon says sugar will not preserve the baskets,) in the field, where two or more ears were the variety in perfection .- Trans. Lon. Hort. Soc. germinating principle of seeds as has been often on the same stalk: I take none but the top car. I was led to this course by seeing a field many years since. It was so prolific (although I then lived in town,) that I inquired the cause, and was informed that at different heights, exhibit a diversified and beauti-such was the practice of its owner. It is well to ful appearance.] remark that the top ear fills first, (I presume upon the same principle that buds on the tops of twigs first ticultural Transactions; the branches of one, at the material food of plants; and it preserves the germiburst.) whether this circumstance conduces to bring seat of the late Sir Joseph Banks, extend 12 yards it to earlier maturity, I prefend not to say. Last year in circumference, and produce several pecks of some of my seed corn was planted by two of my fruit annually. It is manured with scap-suds and neighbours. They report, unhesitatingly, that it is two weeks earlier, and more productive, than their favourite seed. It certainly shoots most abundant ly; but the number of ears is in some measure regulated by the season: if it be very dry, the top ear may exhaust all that the stalk can afford; and if a wet season, two or three good ears are filled.

A SUBSCRIBER.

SEED OF THE FINE HAVANA SMOKING TOBACCO.

Havana, Dec. 30, 1826. J. S. SEINNER, Esq.

Sir,-Having endeavoured early this summer to obtain a small quantity of tobacco seed for the purpose of sending it to you, I had the good fortune to fessor Dunbar, near Edinburgh, and 120 varieties of shall be able to gratify my wish. Yet I doubt its get some of the very best kind that we have in our Palm, cultivated by the Messrs. I odridges, nursery-intrinsic merits. Its size and exterior beauty, like

as the handsomest, but it is by no means the best. The colour of the plant when dry, depends with us on accidents out of our control. The circumstances which our planters and manufacturers universally consider as evident proofs of its goodness, should not produce yellow, but brown tobacco, you may believe it to be of the choicest kind we have.

I remain, sir, your friend and serv't, SILVESTRE ALFONSO.

(From the New England Farmer.) LUCERNE.

Kip's Boy, near New York, Nov. 7, 1826.

GENTLEMEN,-Last year I sowed one pound of your French clover seed, (Incerne.) I sowed it (as an experiment,) with my oats, in April of the same year. It yielded fine pasture after the oats were cut; and last spring, when my red clover began to being transplanted. The object is to fornish, in make its appearance, the lucerne was full three inches above the ground. On the 11th of May, I began to soil it, daily cutting enough to serve my transplanting. This tends to secure the life of the three horses in my stable, and with very little help from other grass, I have continued the soiling until this day. My horses have kept in good order forest, whose system of roots is more defective. through the whole season, and I have not red them and more likely to be impaired by taking up, than ten bushels of oats, or any other grain, during the those which are cultivated in a nursery. whole time. It was richly manured with compost,

HORTICULTURE.

HORTICULTURAL ITEMS,

From Loudon's Gardeners' Magazine for 1826. (Selected for the American Farmer.)

M. Pronvelle, of Versailles, finds that certain beautiful varieties of the rose lose their improved colours and return to their primitive state, when kept on their own roots. He, therefore, grafts them on stocks of wild rose; which, besides placing the flow-

[The French wild rose grows to the height of six to twelve feet; and the finer varieties, budded

the drainings from the dung hill. Another is trained to a building; measures fifty-three feet from one extremity to the other, and produces annually from four to five pecks of fruit, - Gard. Mag. April, 1826.

gooseherry to high perfection; besides, we are sorethe fruit when half and two thirds grown. My gooseberries have not been free from this malady until last summer. In the autumn preceding, they were manured with stable dung, and during winter dressed were free from mildew.]

Ericas and Palms. London gives a list of about 350 varieties of Heaths, in the heath house of Promen. The latter sold three Palms at 500 guineas the gaudy dress of the beau and belle, excite a sus-

A Horticultural Society was established at Berlin in 1822, and in 1824 they published their first volume of transactions, containing sixty articles, on a variety of subjects. Among these are three or deteriorated. The diminutive wild crab of Virgifour on the propriety of shortening the tap roots of nia, and the small apples least esteemed for the tafruit trees, and the opinion of the committee of the ble, afford a vinous liquor far surpassing that made are the lightness, thinness and flavour of the leaf, fruit trees, and the opinion of the committee of the instead of the colour. Then, although the seed society upon these treatises. The committee after a good deal of discussion, came to the conclusion, "that shortening the tap-root is a necessary evil, which should only be allowed under certain circumstances; that, therefore, it is absolutely improper with young plants that are transplanted to the spot where they are finally to remain; with some others, however, it is necessary, as a preparation for their future transplantation; and in that case gardeners should proceed with more care than is generally em-

[Tap-roots are shortened to induce the production of lateral fibres; and is salutary when applied to trees which have large tap-roots. But in this case it ought to be done the year previous to their the new fibrous roots, a substitute for the tap-root, plant. The precaution is important with most forest trees, particularly those to be taken from the

Ladak, near the sources of the Ganges and Indus, upon the Himmaleh mountains, of the wild pear and apple, apricol, melon, marsh onion, buckwheat, lucerne, &c.]

Packing and preserving seeds .- Mr. Curator Anderson, of the Chelsea botanic garden, says, he received about a year ago, from the East Indies, 24 seeds, or nuts, of corypba taliera; twelve of them were carefully wrapped up in paper, not one of which germinated; and twelve of them were bedded in powdered charcoal, every one of which grew

Charcoal, or carbon, is daily developing new properties subservient to the benefit of man. It has become indispensable to most of the arts; it arrests putrefaction in vegetable and animal matter; it pu-Two gooseberry bushes are described in the Ilor-rifies air and water; it constitutes our fuel, and a nating principle in seeds in their passage through

tropical climates.

Large Strawberries .- The skill of the horticulturist has been successfully exerted in Great Britain, to improve the quality and size of fruit, by new varieties, both by seed and by crossing. This remark applies particularly to the gooseberry and strawber-[Our summers are too warm to cultivate the ry. Of the former, British nurserymen advertise some hundreds of varieties. Of the latter, we find ly afflicted with the mildew, which often covers two new varieties advertised in the Gardener's Magazine for April, 1826, the size of which is calculated to astonish the American reader. Bishop's Orange is represented to be four inches and upwards in circumference. This belongs to the scarlet class. urine was poured about their roots. Those thus Wilmot's Superb is from six to eight inches in circumference.

I should very much like to cultivate Wilmot's Superb strawberry, and I entertain the hope that I Before I conclude my letter, I cannot but point each, for the Oriental Conservatory.

Before I conclude my letter, I cannot but point each, for the Oriental Conservatory.

Entrance your the Stand 4th vols. of their Introduction to Ento-countrymen. The yellow fact might be considered mology, or Natural History of Insects."

The lower rains at 500 guineas the gaudy dress of the beau and belle, excite a suspicion, that they merely serve to cover a weak and explored pup. Knight, the veteran of horticulture, considers the medium sized fruit as most profitable to the grower, as well as to the buyer. The Downton pippin, a small apple produced by him by crossing, is considered the best apple in England, for cider and the dessert, since the golden pippin has from our largest and handsomest apples. wines, too, I am informed, are the production of grapes little esteemed for their beauty or their flavour. The principle of flavour is dissipated in the process of fermentation, and is best imparted to wine or eider, by infusing the ripe fruit in the fer-mented vinous product. Of our pears, the diminutive seikle and spice, surpass in richness the overgrown varieties; and of the strawberries, the common one of our northern meadows, is not excelled, in my opinion, by any variety of our gardens. The specific juices seem to be more concentrated in medium sized than in large fruit. Nature appears, in this respect, as in the one alluded to by Coloncl Shepherd in regard to the fleece of the Merinoes, to have made up in quality what she has stinted in quantity. And yet, after all, I intend to have Wil-

Mr. Benjamin Blodget, the famous Botanist, has just arrived from London He has brought with him 400 exoticks selected from the gardens of Sir Joseph Banks and others. From his well known ose which are cultivated in a nursery.

We observe that agricultural and horticultural lections are rare and valuable. He has selected a I mowed it five times, notwithstanding the severe drought.

Respectfully yours,

THOMAS STORM

Messrs. G. Thornburn & Sons.

We observe that agricultural and not definition for the site of societies are not only established in every part of Europe, but the example has extended to Asia. At his garden. We have no doubt that Agricultural society of Calcutta, ists, and the state in general, will be benefitted by in 1825, seeds were presented from Cashmire and his ingenuity and exertions.

(Boston paper,

RADISHES.

Abercrombie says, "to obtain the earliest spring radishes, sow on a hot-bed of dung or leaves some early dwarf short-tops in December, January, or the beginning of February. Having made a hot-bed 2 feet or 2½ feet high in dung, place on the frame; earth the bed at top six inches deep; sow on the surface, covering the seed with fine mould, about half an inch thick; and put on the glasses. When the plants have come up, admit air every day in mild or tolerably good weather, by tilting the upper end of the lights, or sometimes the front, one, two or three inches, that the radishes may not drawup weak and long shanked If they have risen very thick, thin them, in young growth, moderately at first, to about one or two inches apart. Be careful to cover the glasses at night with garden mats or straw litter. Give gentle waterings about noon on sunny days. If the heat of the bed declines much, apply a moderate lining of warm dung, or stable litter, to the sides; which by gently renewing the heat, will forward the radishes for drawing in February and March. Remember, as they advance in growth, to give more copious admissions of air daily, either by tilting the lights in front several inches, or, in fine mild days, by drawing the glasses mostly off; but be careful to draw them on again in proper time. Small turnip radishes, of the white and red kinds, may be forced in the same manner. For raising early radishes on ground not accommodated with frames, a hot bed, made in February, may be arched over with hoop-bends, or pliant rods, which should be covered with mats constantly at night; and during the day, in very cold weather. In moderate days, turn up the mats at the warmest side; and on a fine mild day, take them wholly off.

"Any sort of radish seed may be sown occasionally for salad herbs, to be taken while in the seedleaves, to mix with cresses and mustard. Sow about once a week in spring, summer, or any season when radish salad is required, managing it as other small salad herbs.17 [London's Enc. of Gard.

LADIES' DEPARTMENT.

THE ART OF HAPPINESS.

Arachne and Melissa are two friends. They are both of them women in years, and alike in birth, fortune, education, and accomplishments. They were originally alike in temper too; but, by different management, are grown the reverse of each other. Arachne has accustomed herself to look on ly on the dark side of every object. If a new poem or play makes its appearance, with a thousand brilliancies, and but one or two blemishes, she slightly skims over the passages that should give her pleasure, and dwells upon those only that fill her with dislike. If you shew her a very excellent portrait, she looks at some part of the drapery which has been neglected, or to a hand or finger which has heen left unfinished. Her garden is a very beautiful one, and kept with great neatness and elegance; but if you take a walk with her in it, she talks to you of nothing but blights and storms, of snails and by thus acting, we cherish and improve both. By caterpillars, and how impossible it is to keep it this practice it is that Melissa is become the wisest from the litter of falling leaves and worm-casts. If you sit down in one of her temples, to enjoy a delightful prospect, she observes to you, that there is too much wood, or too little water; that the day is too sunny, or too gloomy; that it is sultry, or windy; and finishes with a long sharangue upon the wretchedness of our climate. When you return with her to the company, in hope of a little cheerful conversation, she casts a gloom over all, by giving you the ter's children. Thus she insensibly suchs her own sch's shape is formed, the crimping will be on the spirits of all around her; and at last, outside. Fill it half full of molasses, set it on red-mended by the editors of public journals in almost

Melissa is the reverse of all this. By constantly habituating herself to look only on the bright side of objects; she preserves a perpetual cheerfulness in herself; which, by a kind of happy contagion, she communicates to all about her. If any misfortune has befallen her, she considers it might have been worse, and is thankful to Providence for an escape. She rejoices in solitude, as it gives her an opportunity of knowing herself; and in society, because she can communicate the happiness she enjoys. She apposes every man's virtue to his failings, and can find out something to cherish and applaud in the very worst of her acquaintance. She opens every book with a desire to be entertained or instructed and therefore, seldom misses what she looks for .-Walk with her, though it be on a heath or common, and she will discover numberless beauties, unobserved before, in the hills, the dales, the broums, the brakes, and the variegated flowers of weeds and poppies. She enjoys every change of weather and of season, as bringing with it something of health or convenience. In conversation, it is a rule with her, never to start a subject that leads to any thing gloomy or disagreeable. You therefore never hear ber repeating her own grievances, or those of her neighbours; or, (what is worst of all) their faults and dignant at being left in the rear, and instantly boltimperfections. If any thing of the latter kind be ed in pursuit of him, throwing their riders, and mentioned in her hearing, she has the address to leaping, he lege, ditch, and, in short, every obstacle turn it into entertainment, by changing the most that came in their way. Trinculo, who was in the odious railing into pleasant raillery. Thus Melissa, rear, seized on Comedian, who escaped with diffilike the bee, gathers honey from every weed; while Arachne, like the spider, sucks poison from the fair- the water is full twenty feet deep. Trinculo purest flowers. The consequence is, that, of two tempers once very nearly allied, the one is ever sour and were got ashore, uninjured, by some countrymen dissatisfied, the other always gay and cheerful; the one spreads a universal gloom, the other a continual sunshine. There is nothing more worthy of our attention,

than this art of happiness. In conversation, as well as life, happiness very often depends upon the slightest incidents. The taking notice of the badness of the weather, a north east wind, the approach of winter, or any trifling circumstance of the disagreeable kind, shall insensibly rob a whole company of its good humour, and tling every member of it into the vapours. If, therefore, we would be happy in ourselves, and are desirous of communicating that happiness to all about us, these minutiæ of conversation ought carefully to be attended to. The brightness of the sky, the lengthening of the day, the increasing verdure of the spring, the arrival of any little piece of good news, or whatever carries with it the most distant glimpse of joy, shall frequently be the parent of a social and happy conversation. Good manners exact from us this regard to our cum pany. The clown may repine at the sunshine which ripens the harvest, because his turnips are dried up by it; but the man of refinement will extract pleasure from the thunder storm to which he is exposed, by remarking on the plenty and refreshment which may be expected from the succeeding shower.

Thus does politeness, as well as good sense direct us to look at every object on the bright side; and and hest bred woman living; and by this practice, may every person arrive at that agreeableness of temper, of which the natural and never failing fruit [Harris. is happiness.

history of her own bad health, or of some melan-crimp the edge all round; by this operation it will edition of upwards of 3000 copies. acquire the form of a round vessel; - when the vessel "The Album," says the Roche

discovers, she knows not why, that her friends are hut embers or live coals, (there is no danger of the paper burning;) after the molasses has stewed sufficiently, take it off to cool, when it becomes highly flavoured candy.

SPORTING OLIO.

EXTRAORDINARY RIDING.

In October, 1754, Lord Powerscourt having laid a wager with the Duke of Orleans, that he would ride his own forses from Fontainbleau to Paris, a distance of 42 English miles, in two hours, for 1000 louis d'ors, the king's guards cleared the way, which was lined with thousands of Parisians. He was to mount only three horses, but he performed the task with two, in one hour, thirty-seven min-utes, and twenty-two seconds. The horses through whose exertions the wager was won, were both killed by the severity of the feat they had achieved.

(From the Annals of Sporting, Oct. 1826.)

Singular Circumstance.—As the two celebrated race horses, Trinculo and Comedian, were out at exercise on Abingdon race course, they were passed by another borse at full speed. Both horses felt inculty, by falling into the Thames, at a place where sued him into the water, but luckily both horses who were passing at the time.

CURE FOR DISTEMPER IN DOGS.

Give a dog 8 months old, 4 grains turbeth mineral: to be kept from water 24 hours—then 4 grains crocus metallorum.

MISCELLANEOUS.

LITERARY.—The Philadelphia Album, and Ladies' Weekly Gazette; of which eight quarto pages are published weekly, making an annual volume equal to eight hundred and thirty-two octavo pages, printed on fine paper, and embellished with splendid engravings.

Its design is to furnish a WEEKLY REPOSITORY, or abstract of the Fine Arts, Botany, History, Travels, Reviews, Moral Essays, Sketches, Tales, Familiar Letters, Poetry. Receipts, &c. &c. with a Weekly Summary of the carliest Foreign and Domestic News. The Album is peculiarly devoted to such subjects as are most interesting and useful to our Fair Countrywomen, embracing a great variety of the elegancies of polite literature, conversation, dress, beauty, manners, &c. with biographical sketches of those who have been distinguished for their talents, piety, and other eminent virtues.

In addition to its usual variety, early in January will commence the publication of nearly sixty Original Tales, and shortly thereafter, a handsome collection of original Essays and Poems, all of which have been written in competition for the literary prizes, (six gold medals, of the value of \$210) offered by the proprietors of this work. No pains or xpense is spared in making it a beautiful as well as a useful and interesting publication; and the unprecedented reception which it has already met with Take a sheet of white paper, cut it round, then from the public, warrants the printing of a weekly

"The Album," says the Rochester New York

every part of the United States. from the United States Felegraph:

"This we unhesitatingly pronounce the cheapest Literary Journal we have ever seen, and we confidently recommend it as worthy of public patro nage. It is a specimen of very neat typography; enriched with an interesting variety of prose and of both sexes.

"But the work being more particularly designed for the Ladies, we would especially solicit in its betheir fostering regards. Indeed we are decidedly of in a few hours. opinion that it would conduce to the moral and intellectual interest of every family in the community the sum of human life.

Washington City, Nov. 30, 1826."

Terms, only \$2 per annum, payable in advance. No subscription received for less than one year, and no unpaid letters taken from the Post Office. Address Thomas C. Clarke, Philadelphia.

The proprietor of the Philadelphia Album, of fers the following premium; the essays to be forwarded in the course of the present month:

For the best original Essay on raising the Silk Worm, and the manufacture of Silk, Twenty Dollars-or, if by a LADY, Thirty dollars in cash, or a gold medal of the same value.

QUERIES RESPECTING STEAM.

MR. SKINNER,

Permit me through the medium of your paper, to ask of those gentlemen who are well acqui inted with the force of steam, how long it would take to drive a ball* through a tube of four mehes diame ter, from Washington City to Baltimore, Philadel phia and New York, (or New Orleans,) and let it MR. SKINNER, be returned the same way?

What would be the expense of making a tube of

How far would the steam go before it would con- your service.

dense in those tubes, and how far would the blast drive the ball afterwards, the steam kept in full blast at the end of the tube?

How far would the ball pass in the tube before the cold air in the tube would become so compressed that it would burst the tube? Or would it be necessary to have safety-valves to let off the compressed air before the ball?

The object of this is to convey all important intelligence from and to the general government, and the most important mercantile transactions from one sea port to another, in less time than by any other mode of conveyance.

A DISTANT SUBSCRIBER.

SINGULAR DISEASE.

In the Argus, published at Frankfort, Kentucky, of the 10th ult, it is stated, that a few days before a motion was made in the Senate by Mr. Carneal, the Senator from the counties of Boone and Campbell, who presented to the Senate, a petition from some of his constituents, praying the legislature to offer a reward for the discovery of the cause of the dis-

the following is ease, which, for many years, in that section of the country, had been fatal to man and beast. After giving some details himself, he called on Mr. Gibson, the Senator from the counties of Gallatin, Grant, and Pendleton, to give the Senate more full infor-

This gentleman stated, that the disease appearpoetry, adapted to the anusement and edification ed first in cattle early in the spring and late in the fall. It was supposed to originate from some herb eaten by them in those seasons. A beast apparent ly in perfect health, will be suddenly seized with a Contempt and pity youth's long toils enrage, half their benignant smiles, believing it well worthy trembling and sickness, which will carry them off And parish nurses 'tend declining age:

Dogs, hogs, or any other animals, that eat the There Justice left her long-ear'd 'squires behind. flesh, are immediately taken with a puking, after to possess a journal like this, affording a cheap stock which they fall into a stupor, and die in an hour and nearest the truth, Virgil, Mr. Sotheby, or your humof general reading, well adapted, from the brevity a half or two hours. Persons drinking the milk of ble servant?—I leave to the solemn finding of the and variety of its articles, to occupy pleasurably and a cow that is infected, are taken in the same man-great body of American farmers. profitably those short intervals of leisure which con-luer, and immediately die. He believed that within stitute in the aggregate, such a large amount of five miles of him, 500 dollars worth of stuck die annually, and that part of the country had been almost stripped of cattle. He had also known as many as from thirty to forty persons who had lost their lives by this fatal poison

Mr. Yancey stated, that the same disease prevailed in the neighbourhood of Goose Cre k, in Tennessee, where he had been, and it was said, even on scouring undyed woollens, such as Blanthe buzzards which ate of the carcase of cattle that had died with it, immediately perished. The petition was referred to a select committee, of which Mr. Carneal is chairman, for the purpose of considering the subject, and consulting the medical faculty.

LONGEVITY.

In a small hamlet, about fourteen miles from Kes-

POETRY.

you have chosen the first lines as a motto for your your doil, beat them out, until no head or lather four inches diameter, of sheet iron, copper or brass, paper, has been elegantly translated by Mr. Sotheby. similar to the steam pipes of steam boats for letting It you have never published this extract, it is time the blanket by one corner, and hang it up, letting your pages were graced with it. Here then it is at the two ends one corner, and hang it up, letting your pages were graced with it. Here then it is at the two ends or sides meet when hung down toge-

> "Ah happy swain! ah race beloved by heaven! If known thy bliss, how great the blessing given; For the just earth from her prolific beds, Far from wild war, spontaneous nurture sheds. Tho nor high domes through all their portals wide, Each morn disgorge the flatterer's refluent tide; Tho' nor thy gaze on gem-wrought columns rest, The brazen bust, and gold embroider'd vest; Nor poisoning Tyre thy snowy fleeces soil, Nor Cassia taint thy uncorrupted oil; Yet peace is thine, and life that knows no change, And various wealth in nature's boundless range; The grot, the living fount, the umbrageous glade, And sleep on banks of moss beneath the shade; Thine, all of tame and wild, in lawn or field. That pastur'd plains or savage woodlands yield: Content and patience youth's long toils assuage, Repose and reverence 'tend declining age; I here gods yet dwell, and, as she fled mankind, There Justice left her last lone trace behind."

> "This is admirable," say the Edinburgers—Well, what will be said of my parody?

Ah plodding slave! ah race accurs'd by heaven! Since Cain's first offering was so vainly given! For whom the earth from her prolific beds, Unnumber'd weeds and endless labour slieds. (All else thou own'st-already in his clutch,)

Though nor the tailor, imp that gives no rest, Can, jeering, dun thee for thy ill cut vest; Nor druggist cheat thee of thy walnut dyes, Nor lawyer catch thee in his web of lies; Yet care is thine, and life that knows no change, And various toil within thy narrow range; The pig pen, pond, the barn of buckeye logs, The noisy roaring of the geese and hogs; Thine all that thou canst get, in markets dull, From well-fed cits, of cash and brandy full: l'here fools yet dwell; and, as she fled mankind,

To say nothing at present of the poetry-who is

Very respectfully, yours, &c. TELLUS.

-, near Cincinnati, Jan. 22d, 1827.

RECIPES.

(From Tucker's Family Dyer and Scourer.) KETS, FLANNELS, &c.

This process, as practised by dyers, is so simple,

that any housewife may go through it.

Supposing the article to be scoured is one of the largest sized blankets in a very dirty state; cut into thin slices half a pound of the best yellow soap; then pour such a quantity of boiling river water on it as will effectually dissolve the soap, and make it the conwick, (Eng.) are now living Mary Atkis, whose age sistence of oil: this is called solution of soap. Enough is 119, and her two sons; the elder is 97 years old, of this being made to scour what flannels you may the younger 95, and the wife of the latter 75-the have to clean, you then proceed to pour into your united ages of the four persons amount to 384 years, scoring tub a sufficient quantity of hot and cold water to cover your goods about two inches: the heat must be such as you can bear your hand in. Having prove early put a tomp of the best American pearl asies into your tub, as big as a small walnut. and some solution of soap, about a third of the The celebrated passage of Virgil, of which quantity prepared, put in your goods, and, with rises on the top of the water; you must then take ther. Then turn those two ends in, round each other, put a short stick between them, and by these means you can wring it quite tight. If you have more than one to do you may add a little pearl ash to the water, and add more hot water, beating them in like manner. I his will tend to soften the dirt in them, and prevent any of the ingredients from being lost. The dirty water is now to be thrown away, and a second liquor prepared as the former; but if the blanket is pretty well cleaned of its filth, you need add no pearl ash in this second liquor; only let the water be hotter than the first, and then proceed as before. The second liquor being spent, put it into the tub with the rest of your dirty goods. A third, and linishing liquor is prepared, by adding the remainder of your solution of soap, and a small bit of pearl ash and boiling water; then put your blanket into the liquor, give it a quick beat out in this thin liquor, and immediately wring it very tight; hang it out to dry, and it will be as white as wool can be made.

FOR SCOURING BLACK, BLUE AND DARK BROWN WOOL-LENS, SUCH AS BROAD AND NARROW CLOTHS, GEN-TLEMEN'S COATS, LADIES' PELISSES, &c.

Supposing the article to be cleaned is a man's coat: first dry about two ounces of fuller's earth by the fire; then pour a sufficient quantity of boiling water on it to dissolve it to the consistence of treacle; take a sufficient quantity of this on the top of your three fingers, and plaster thinly over such

^{*}The ball to be of a size to fit the tube, made of brass, similar to a shell, or in two parts, made hollow and light, so that it would contain several papers and letters, and fastened together with screws, &c. and Tho' nor thy cabin can the taxman touch, made perfectly round.

spots of grease as may be on the coat, particularly thuse on the cuffs, collar, the pocket-holes, and un der the arms, &c. This done, if you have time, dry it by the fire or in the sun; prepare a pennyworth of bullock's gall, and mix with it half a pint of stale urine; add to this, if required, a little boiling water, to make the quantity of alkaline liquor sufficient for your purpose, such as chamber levpotash liquor, or bullock's gall. You must take care not to weaken this too much with water; but instead of it, add as much as you like of the chamber ley. Dip your hard brush in this liquor, and brushing the spotted places on your coat, you will find it produce a white froth, like soap lather. Af ter this you must dip the coat in a bucket of cold water; spring water is best, to wash off the filth and bad smell. Then take a walking stick, and put through the two arm holes, and putting a string round the middle of the stick, hang the coat to dry. When it is nearly dry, take your brush and lay the by the fly, sometimes by the drought, and always nan the right way of the cloth, and when quite dry pour a small drop of oil of olives in your hand, told that the direct taxes cannot be repealed; nay, and pass it over the brush, with which strike your that the ordinary sources of the state's revenue coat; and, if too much oil is not used, it will give it the appearance of new.

FOR SCOURING GREY, DRAB COLOURS, FAWNS, MA ROONS, AND ALL OTHER COLOURED WOOLLENS, SUCH AS LADIES' PELISSES, MANTLES, COATS, &C.

Supposing the garment to be a coat, take some of the best yellow soap, and cutting it into thin slices, pour upon it a sufficient quantity of water just to moisten it. Then roll it into a ball, and rub all the greasy and dirty spots of the coat with it.

Let it dry a little, and then taking warm water,

dip your brush in it, and stroke off the soap. if not this time, when the people are burdened with debt, in answer to the gentleman who sent the communiquite clean, proceed as before; and use your water a little hotter; rinse, at least three times, in two or three buckets or pans of water, the first of these should be blood warm, or even hotter. Hang to dry, as before directed.

EDITORIAL CORRESPONDENCE.

TAPIA.

Answer to inquiries as to the manner of building and attaching Chimnies.

Washington, Feb 15, 1827.

J. S. SKINNER, Esq.

Sir-Your inquiry as to the manner in which the chimnies are to be attached to the houses built of tapia, shall be answered. As the tapia does not stand the fire very well, the chimnies ought to be made of brick, or clay. They may be built at the same time the house is going up, or after the house is built; and they may be built within or without the house, at the option of the builder. If in cot tages or negro quarters of one story, a hearth of clay or brick, and a back of the same materials, with simply a chimney of sticks and mud, or clay, mixed with common straw or dried pine leaves, formed like an inverted funnel, resting on the beams, will answer very well. The chimney being made of brick, and independent of the wall, will settle equally, and be not subjected to those cracks which the unequal settling of the wall and chimney sometimes produce

With sentiments of esteem, I am, Dear sir, yours very respectfully, ALEX. MACOMB.

GRAPES.

MR. SKINNER,

Will your correspondent in Newbern (October 1, 1826.) please to say, what Grape was it, of which a single vine made 60 gallons wine; how cultivated; what the age of the vine; what the quality of the wine, &c .- and he will much oblige

One of your Subscribers in Alabama.

-THU FARMER.

BALTIMORE, FRIDAY, FEBRUARY 23, 1827.

THE DIRECT TAX ON THE FARMERS OF THE STATE. - Were the title of this paper the Maryland we should have much more to say on the peculiar affairs of the state; for there is, perhaps, not one, in its policy and institutions-in the want of good legislation, and in legislation positively bad, as regards its agricultural condition and wants,-that affords What sound reason can be given for taxing the a more fertile field for animadversion.

by a partial system of taxation; supplanted in one beyond the mountains; and failing in another (wheat) by a succession of calamitous incidents, sometimes by low prices-added to all this, we are now again \$13.146; \$3. See the lucid report of the finance committee, presented to the House of Delegates by its able and assiduous chairman, Mr. J. G. Chap-

On the subject of this tax, the Committee of Claims, anxious to relieve the people, are yet forced

to adopt the following language:

"The depressed situation of the finances of the state forbids the recommendation of a repeal of the direct tax. The agricultural interest contributes the treasury should be drawn from other sources than the channel of direct taxation. The state that distinguished friend and promoter of the inshould be solicitous to derive her revenue from terests of the plough. sources, which, while they are permanent and pro-ductive, are not burdensome to any part of the state, or oppressive to any portion of its citizens. ral interest of our country has been for some years venue may be derived from other legitimate sources of taxation-and the committee recommend-

"1st. Duties on sales at auction.

this subject will be submitted to the house."

"mocketh at fear and is not affrighted?"

There is, however, one obvinus and practicable ment to the welfare, or the least danger to the li- 622 cts.; Cut Straw, bush. 4 cts.

berties of the state; and that is, by reducing the number of delegates from each county at least one

half!
This reduction would more than relieve the farmer from the direct tax; and who can say that two men of such capacity as ought to undertake the husiness of legislation, would not be fully adequate to Farmer, and its objects correspondent therewith, the transaction of the business of any county in the state? Nay, more: let us look at the list of laws for the last forty years Will any one say that such as have a local bearing on each county might not have been digested by any business man in a week? people with four delegates from each county, seeing Depressed, as is the farming interest; despoiled that in most of them population is stationary, if not y a partial system of taxation; supplanted in one retrograding? None. The argument of liability to of its great staples (tobacco,) by competitors even corruption will not be advanced—for if forty may be corrupted, we may give up the ship; the whole mass must be rotten-besides, who will express the apprehension?-honi soit qui mal y pense. The delegation from each county ought to he reduced, and if the people of each county had to pay them, as in New England, they would soon have it so We have falls short of its necessary expenses, in the sum of no concern, and mean to have none, with politicks; we only suggest this to the people-the farmers of the state, as one obvious and safe, and ready means to rid themselves, at all events, from taxation. It is in behalf of the oppressed landed interest that we would raise our feeble, but conscientious voice.

JUDGE BUEL.

The Hon. Isaac Hill, Editor of the New Hampshire Patriot, in republishing from the New Englargely to the support of the government, and at land Farmer some valuable agricultural observations and our staple articles commanding but limited and cation, and who appeared not, personally, to know inconsiderable prices, additional contributions to Judge Buel; makes the following pertinent and just remarks as to the character and useful labours of

"Our respected correspondent is informed that Judge Buel was educated originally to the business of a printer-that he was editor and publisher of It will readily be acknowledged, that the agricultu- that valuable political paper, the Albany Argus, during and subsequent to the last war-that by his inpast, and still is so cramped, that its proceeds are dustry and perseverance in business, he obtained a inadequate to its maintenance and progress, and handsome property, sold the newspaper establish-that no additional burdens can be borne. A rement, and purchased the ground for a farm in the ment, and purchased the ground for a farm in the vicinity of Albany, about ten years ago-ground, which before he entered upon it, was deemed to be of little value for the purposes of a farm. On this "2d. A tax upon stocks, and such other personal ground Judge Buel has made such a farm as that he property as escapes taxation under the existing laws. obtained several years ago, a premium of the Agri-Inasmuch as the duties on auction sales are derived cultural Society for the best and most profitably culindirectly from the consumption of the whole state, tivated farm in that flourishing county. Judge B. it is proper that those duties should be paid into labours with his own hands on his farm; and althe common coffers of the treasury. A bill upon though commended for generous hospitality, and ready always to make any sacrifice in trying new Upon what principle of common sense or justice experiments where there is a reasonable prospect of is it, that the owner of a single acre of land should success, is said to be constantly increasing in wealth be compelled to contribute to the expenses of the from the business of farming merely. A brother of government, whilst he, who sells his lands and in the profession, and a co worker in the great cause vests the amount in bonds, or United States, or of the country during a dark period of our history, many other stocks, receives at least six per cent. in- we allude to this gentleman not without feelings of terest, and pays not a cent towards defraying the complacency and pride. He has been, and connecessary expenses of administering the govern tinues to be, honoured with a due share of confi-ment? Is it to be wondered at, that men of ordi-dence from his fellow citizens—he has been a memnary sagacity seek to escape from a calling which ber of the legislature, and is now, we believe, a is made the stalking-horse for all others, and bur-Judge of one of the courts. His best fame, howrow in the town, or fly their state to employ their ever, rests in his merit as a practical and scientific time and invest their capital free from taxation? farmer: his essays on agricultural subjects, not less Who would voluntarily play the part of the patient than his personal example, rank him among our ass, and carry his burdens and browse on thistles; public benefactors; and his name deserves to be when he could frolick and gambol as the horse, placed on the same page with that of Benjamin that ranging in the midst of liberty and abundance, Franklin."

\$5 Hay, \$18 per ton; Rye Straw, \$14; Chop Rye, reduction which might be made, without any detri- cwt. \$1.621; Oats, bush. 45 cts; Corn, in ears, bbh

MARKETING.—Butler, first qual. per lb. 37½ cents; Persons disposed to purchase either the horse, or his Beef, prime pieces, 8 cents; Pork, 64; Veal, 8 cents; season, must make early application Mutlon, 64 cts.; Potatoes, bush. 75 cts.; Eggs, doz. 12½ a 15 cts.; Geese, 75 cts.; Turkeys, \$1 a 1.25 cts.; Chickens, pair, 50 a 62½ cts.; Turnips, bush. 75 cts.

LIVE CATTLE-\$4.50 to \$5.50.

BALTIMORE INFIRMARY.

The Committee to whom is entrusted the superintendance of the Infirmary of the University in this city, anxious that the advantages it affords may be more generally known, take this mode of communicating to the public, that this institution has latterly undergone a thorough reform; its advantages and conveniences greatly enlarged and improved; and being placed in the most efficient condition, remains open for the reception of patients.

The house is under the direction of a committee of for \$625. Inquire of the Editor. the Trustees, and who are specially charged with the superintendance and government of its concerns; they give their gratuitous attendance, in order that no circumstance may be omitted necessary to the comfort of

the patients.

Patients of all descriptions, and of both sexes (except lunatics) can be accommodated in a manner suitable to their condition and circumstances; there are also distinct apartments provided for coloured persons.

proper furniture, &c. complete; so that the utmost sa- Bank of Maryland,

tisfaction and comfort may be expected.

The nursing, attendance, and immediate charge of the house, is entrusted to, and performed by eight Sisters of Charity, whose skill, fidelity, carc, and watchfulness are devoted to the sick, from motives of charity and benevolence; and whose merits and whose virtues cannot be sufficiently described or extelled.

who regulate the treatment of the sick in the Medical and Surgical wards; and in cases of great interest, requiring full and deliberate consultations, the attending physician and surgeon have the Medical board of examiners of the Medical and Chirurgical Faculty of Ma-Corporation 6 per cent. redeemable ryland as the consulting physicians of the institution. The patients are thus afforded the opportunity of a full and deliberate investigation of their maladies, and the best means adopted for their relief. There are also two medical students who reside in the house, and are in readiness at all hours to give every attention that the patients may require.

The Oonmittee are pledged, that nothing shall be neglected, calculated to insure comfort and attention to the sick: and when it is considered that the charge Reister's Town, . (div. off,) f.s. is so very moderate, and the asylum so admirahly adapt- York, cd to the purposes, they feel confident that the publick cannot fail to patronize an institution so truly useful, and so well calculated to extend such benefits to its in-

mates.

Six or eight medical students can be comfortably and permanently lodged and boarded in the institution on moderate terms, who will not only have the use of the library belonging to the institution, but also the benefit Temascaltepec Mining Co's, per share, 600 of witnessing the daily practice in the house.

The price of boarding, lodging, washing and medical attendance on the sick, is three dollars per week, and which includes any necessary surgical operation. Private apartments, including all that is mentioned above, may also be had at a very small additional charge.

Ladies and gentlemen are invited to visit and inspect Three per cent. this Institution. It is situated in Lombard-street, in a healthy and pleasant part of the city; and although it is retired, the access to it is easy and convenient.

SOLOMON ETTING, Doct. JAMES STEWART, Doct. GEO. ROBERTS, Committee of the Trustees,

Feb. 23, 1827.

BLOODED STALLION.

A full bred Stallion, 8 years old, got by Col. Tayloc's "Topgallant," who was sired by the imported horse "Diomed," and out of a mare of the hest blood of Virginia. He is a good size, blood bay, and what is remarkable in turf nags, a very superior saddle horse. He will be sold either for cash or on a credit; or, if deladies' Weekly Gazette—Queries respecting Steam—

JESSE H. WILLIS, Baltimore. Feb. 23, 1827.

JACK AND THREE JENNETS, OF FINE SIZE AND STOCK-FOR SALE.

Sir,-To enable you to answer any further inquiries which may be made, I have to inform you that my Jack is 4 feet 3 inches in height, with a good set of limbs; his colour black, with white belly and muzzle the promises to be vigorous. He was let to only four mares last spring, which he served well. I have two fine colts by him, and would not part with him but that I have a full stock of mules, and shall not want more, before a young Jack which I have (sired by the one I now offer

for sale,) will be fit for service.

JOHN TILGHMAN. P. S. 1 will deliver my Jack and Jennets in Baltimore

Feb. 23, 1827.

PRICES OF STOCKS.

(Reported for the American Farmer, by MERRYMAN & GITTINGS, Stock and Exchange Brokers.)

Baltimore, Feb. 23, 1827.

par value, presen BANK STOCKS. The rooms are spacious and well arranged, with all U. States' Bank Stock, per share, f. s. \$100 118 300 do. 227 w Bank of Baltimore, do. (div. off,) 300 342 w Union Bank Maryland, do. do. w 75 75 10 Mechanics' Bank, . . 9 20 9.50 Franklin Bank, . 20 25.28 Commercial and Farmers' Bank, 26.23 Farmers' and Merchants' Bank, . 55.00 15 2.80 Marine Bank. 25 27.28 Farmers' Bank of Maryland, 53 w CITY STOCKS.

111 10 after 1836. Do. 5 per cent. redeemable in 1832, 100 102 w Penitentiary 5 pr. cent. stock; (none) in market,) .

in market,)

Museum, 8 per cent. (no demand.)

Masonic Hall, 6 per cent. . 100 par&int 6 to 10 per cent Annuities, or Ground Rents, .

ROAD STOCKS.

10.25 York, . . do. f. s. Frederick, . . do. f. s. 20 7.21 20 11.73 Washington and Baltimore, \$1.50 Baltimore Water Company Slock, 50 92 per share, (div. off,) . Union Manuf. Co. Stock, per share, w Gas Stock. 100 130 800 f. Havre de Grace 'Turnpike 6 per cts. par & interes

U. STATES' STUCK. Six per cent. 1813, (div. off,) do. f. s. do. f s. **—**, 1814, 100 103 -, 1815, 100 104 do. 100 20 804 Four and half per cent. do. 100 1003 Five per cent. do. 100 107 W., wanted-f. s., for sale, by Merryman & Gittings

CONTENTS OF THIS NUMBER.

On the Cultivation of Hops, concluded—On the Foc Rot in Sheep—Annual Meeting of the Philadelphia Sc ciety for promoting Agriculture-Comparison of seve ral extraordinary Oxen-On the Plantation of Fore Trees-indian Corn-Seed of the Fine Havana Smol ing Tobacco-Lucerne - Horticultural Items-On Fore ing Radishes-The Art of Happiness-Making Candysired, the use of him for the approaching season, would be let at a fair price to any gentleman who would take care of him. He can be seen at any time in Baltimore.

PRICES CURRENT.

1	PRICES C	UR	REN	na.		
	APRICIES		WHOL	ESALE.	RET	AlL.
-	ARTICLES.	per.	from		from	to
1	BEEF, Baltimore Prime,	bbl.	9 00			
1	BACON, and Hams,	lb.	ε		9	12
3	BEES-WAX, Am. yellow		29			50
	COFFEE, Java,	-	16		20	22
8	Havana,		14	1		20
3	COTTON, Louisiana, &c. Georgia Upland,		11			
3	COTTON YARN, No. 10,	_	28	1		
1	An advance of I cent					
1	each number to No. 18.	_		1		
•	CANDLES, Mould,	-	13		16	18
ł	Dipt,		[]		10	16
ı	CHEESE, FEATHERS, Live,		8 J		12 37	15
3	FISH, Herrings, Sus.	bbl.	2 37		31	
j	Shad, trimmed,		5 50		1 1	
1	FLAXSEED,	bush	1 00	1 10	}	
1	FLOUR, Superfine, city,	bbl.		5 371		
H	Five,	<u> </u>	5 00	P)		
Z	Susquehanna, superfi-	05 lb	5 00		5 50	none
	GRAIN Ind corn vellow	25 lb bush	5 5	1	5 50	
	GRAIN, Ind. corn, yellow white	— —	5.5			
£	Wheat, Family Flour,	_	1 10			
	do. Lawler, & Red, new	-	1 00	I 05		
	do. Red, Susque	_	1 03	. 1		
	Rye,		7(- {		
	Barley, Eastern	_	1 10			
_	Do. country Clover Seed, and	bush	- 04			
0	Ruta Baga Seed,	lb.	8	7	1 00	
5		bush	3 50			
0	Mangel Wurtzel Seed,	-	1 23		1 50	
0	Timothy Seed,	-	4 00		5 00	
5	Oats,	_	1 50	. 1	2 00	
	Beans White, HEMP, Russia, clean, .	ton	250	260	~ 00	
		_	120	200		
	HOPS, 1st sort, (1826)	lb	1	8	25	
2	HOGS' LARD,		1	9 10	12	
,	LEAD, Pig	lb.	6.7			
	LEATHER, Soal, best,		2			
	MOLASSES, sugar-house	gal.		50		75
	Havana, ist qual	-	3		371	
ŧ.	NAILS, 6a20d	lb.	6		9	
t.	NAVAL STORES, Tar,	bbl.	1 5	$0 1 62\frac{1}{2}$		
	Pitch,	_	2 5			
5	Oll, Whale, common, .	gal.	8			
5	Spermaceti, winter .	-	7	0 75	89	
5	PORK, Battimore Mess,	bbl	1 0	0 12 00		
U	du Prime,	-	9 0			
	PLASTER, cargo price,	ton	1			
0	RICE, fresh,	bbl.	1 ~		5	
0	SOAP, Baltimore White,]b.	1	2 14	18	20
0	Brown and yellow,	-	5		1	
S o I	WHISKEY, 1st proof,".	gal.	3	-1		50
st	PEACH BRANDY, 4th pr	-	7	1		
	APPLE BRANDY, 1st pr SUGARS, Havana White	c.lb	13 0	0 13 50		15
	do. Brown,	- Ic.10	10 0			
	Louisiana,	_	8 0	0 9 10	01[0	11
	Loaf,	lb.	1			
	SPICES, Cloves,	-	7)	1 00	
	Ginger, Ground,	-	1	7 12 5	25	
s.	Pepper, SALT, St. Ubes,	busl	Į .	S 50		
_		_		4	73	
	SHOT, Balt. all sizes, .	clb	1	0	12	
01	WINES, Madeira, L. P.	gal.		3 00		
0-	do. Sicily,	1-		0 1 15		
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81	WOOL Mering full ble	gal.	1 -	0 33	1	
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-	Common, Country, .	1-		8 2:	bac	k & free
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d				,		
	Printed every Friday, at	25.5	ner o	nnum	for 36	HIN S

SKINNER, Editor, by John D. Tov, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

ON MANURES.

(From Loudon's Encyclopædia of Gardening.)

Of the Specific Application of Fermentative, and Fossil or Saline Manures.

addition to the common elements of oxygen, hydrogen, carbon and nitrogen; and though his examples, like most of Sir H. Davy's, are taken from agriculture, yet we deem the subject of more than sufficient importance to gardening, to warrant us in

placing his theory before the reader.

may be conducted with a probability of success certain crops, and to consider whether their pecu- rally a quantity of the phosphate itself. liar elements be provided for in the manure, as it is elements in the manure.

"If all crops were composed of the same eleupon such a supposition the practices of husbandry have been uniformly conducted, and are now conducted; with what disadvantage will, perhaps, ap-

pear in the sequel.

"To illustrate the preceding reasoning, the wheat precisely the same with the elements of common still more wonderful. What has been advanced nature of bones and grass.

needed for every crop

be previously possessed, in order that the processes the phosphate of lime; which appears to be equally plore the causes of physical effects. indispensable to the formation of a perfect grain of We are therefore led to inquire into the nature of wheat. It not only furnishes a medium, but gene-these saline bodies, as they regard the process of

now prepared by agriculturists. If they be not, it duction of gluten, is the urine of live stock; the al- tinction, called specific manures; and the gluten of is but reasonable to infer, that the failure of many vine excrementitious matter having been proved to wheat a specific vegetable matter. Hereafter, when crops may be referred to the deficiency of certain contain little or no nitrogen; this urine is applied a more complete analysis of vegetables shall be either by folding, or mixed with the farm-yard ma- made, it is probable that a nomenclature, founded nure; in both of which situations, it is constantly on these specific substances, may at least classify, if ments this discrimination would not be needed; and forming ammonia, which is dissipated; so that a not particularize, every kind of plant. very inconsiderable part of the whole is retained to answer the purposes of vegetation The practice barley crop, we shall find fresh evidence to confirm

crop may be selected with considerable advantage, the loss of any of the animal substances, acciden- ways found a small quantity of either nitrate of as it is that which is not only the most important tally present in farm yard manure, it still remains a soda or nitrate of potassa (salt-petre;) whence we to the interests of mankind, but because the pre- question, whether there be a sufficiency for the pur- may conclude, that those salts should be present in sence of particular substances in it are better known poses to which it is to be applied. That there is not al- the soil where barley is to be grown. Whether and more generally acknowledged. If we examine ways a sufficiency of some kinds of manure is obthe straw of wheat we shall find it composed of vious from the immense quantities of oil cake which norant. These salts, though spontaneously producwhat may be considered common vegetable matter, are so employed. Oil cake, although a very exceled by nature in many situations, still require the or matter composed of oxygen, hydrogen and carbon, with a small quantity of carbonate of lime; else than nourishment to the straw, and starch of several of which it is as improbable should be acsolif we examine the constituents of the grain, the wheat crop. It cannot contribute to the formawe shall find them distinguished into starch and tion of gluten; and gluten, as has been observed, objected, that if this salt be found ever so necessa-

concerning manures in general, may afford some explanation of the cause of this neglect. The pro- of wheat, and is supplied by animal substances. "Phosphate of lime composes a part of the grain cess ut this vegetation, and the constituents of ve- Bones furnish an abundance of it. That this congetables, are not known to the practical farmer, stituent of the wheat crop, as well as several other because they have been difficult to ascertain; and constituents of different crops, should not be disrethe nature of his manure is involved in the same garded altogether, although they form very miobscurity. He supposes it to contain every thing nute proportions of those crops, must appear reasonable to every one who knows, that, in their se-"That the gluten of wheat flour may always be lections, there is exercised a constant discrimina-Grisenthwaite is the first to have generalized the present, it is necessary that a quantity of animal tion. That wheat always takes up phosphate of fact of peculiar substances being found in plants, in substance should exist in the manure applied to the lime is a proof scarcely needing further evidence, land where the wheat crop is intended to be raised, that it answers some useful, and perhaps indispen-That a certain portion of such animal substance is sable purpose in the grain. It does not exist in the applied, is proved from the fact of gluten being straw: and barley, or oats, or clover, grown on the always found to exist in that grain; but it is highly same land, at the same time with the wheat take probable that the quantity is not always sufficient; up no portion of it whatever. If there had not exand if not sufficient, the crop will be defective, isted this constancy in the selection of particular "Elements of primary principles," he says, "ad-either in quality or quantity. If we pursue our inves-mit of no alteration, but as regards magnitude and tigations a step farther than we have done, we shall been taken up by barley or clover, and sulphate of figure. Hence, when one substance, composed of discover that phosphate of lime is as constant a con lime had been found in wheat, then we might have certain elements, is designed to be transmuted into stituent of wheat thour as gluten itself. Phosphate concluded that the whole was accidental, and being any other substance, as sugar, by fermentation, into of lime, therefore, is as much needed for the pro accidental, that they assisted in no way whatever alcohol, or acetic acid or manure into grain, it is duction of a crop of wheat, as the substances which the formation of other parts of the grain, nor conobvious that the elements of the second must ne supply the starch and gluten. It is not a little retributed to promote the general eronomy of the cessarily be contained in the first; for if they be not markable, that this phosphate of lime is soluble in vegetable. They who are unwilling to admit the the transmutation cannot take place. This will no known fluid, except through the medium of an performance of certain uses by these substances, render it evident, that a knowledge of the elements animal substance, as gelatine, &c. and consequently must depart from a mode of reasoning which phior constituents of bodies, which are intended to be the same animal substances which furnish the ele- losophy has long countenanced, and which we must changed into each other by certain processes, should ments of the gluten, will also furnish a medium for hereafter employ, whenever we are anxious to ex-

"As little attention has hitherto been paid to vegetation, and much less as they respect the ope-"The only substance now employed for the pro- rations of husbandry, they are, for the sake of dis-

"If we turn our attention from the wheat to the adopted in Flanders of saving it has been already the opinion of specific saline substances being present in particular plants. In the latter of these "When the utmost attention is paid to prevent grains, instead of phosphate of lime, there is algluten; and if we carry our researches still farther, composes one third part of all that is valuable in ry to the burley crop, yet its expensiveness will pre-we shall find that the elements of the starch are the whole crop.

This is er-"Bones, and other animal substances, have been roneous. Although salt-petre, if required in large regetable matters; but the elements of the gluten highly recommended for grass or pasture lands. To quantities as a manure, would be too expensive, yet will be found analogous to those of animals, or, in discover the injudiciousness of applying such subaddition to oxygen, hydrogen and carbon, there will stances to crops indiscriminately, it will be necesbe found nitrogen. The production of this nitrosary to become acquainted with the fact, that there steeping the seed in a solution of it would probably gen, as has been already observed, cannot be effection is no kind of grain except wheat, raised artificially for be sufficient; for which purpose a few pounds would by mere common vegetable matter; and, there-the purposes of man, or cattle, that contains any no-suffice for an acre of land. What has been just fore, the manure employed in the production of the table quantity of any substance analogous to that of advanced concerning the necessity of particular sastraw and starch, could not produce the gluten also. animals. Hence, when bones, &c. are used on grass line bodies to the wheat and barley crops, may be If the presence of gluten were accidental, or the lands, or for the barley crop, &c. all the nitrogen, further extended to other crops, and thus add Iresh value of the flour did not depend on it, then little with so much hydrogen, and probably carbonic acid evidence to support the conclusions already drawn. care need be taken to provide for its formation; but gas, as is sufficient to form a subcarbonate of amas it is required to be constantly present, and the monia, will be entirely lost. If bones be the animal cineration, a large quantity of subcarbonate of potvalue of the flour does essentially depend on it, matter employed, every one hundred pounds weight therefore, a provision ought to be made for it. In will yield about fifty pounds of solid gelatine, of or be formed by the decomposition of a sulphate, or quantity it is not inconsiderable, but it composes which twenty pounds, at least, will be thus wasted, other salts of a potassa, has never been determined. nearly one-third part of the grain. That the operations of husbandry as regards wheat, should be instead of being employed for grass, &c. they had the vegetable, would be to furnish information conconducted without any reference to this peculiar been used for wheat, all this might probably have cerning the means of rendering that crop more unisubstance, is very remarkable. That the failure of been saved. This is not mere opinion; its truth is formly successful than it now is. Can prejudire so crops has never been ascribed to its deficiency, is obvious to every one conversant with the chemical far operate on the mind, as to make it discountenance the belief, that some particular salt is pos-

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sessed of certain properties capable of assisting the in Flanders, a kind of ashes is employed with great growth of the bean? If it can, then the same precular saline bodies in plants.

"In the pea crop has been discovered a considerable quantity of superoxalate of lime; and thus, as we pursue our researches, we still find discrimination keeping an equal pace. Neither the phosphate of lime, nor the nitrate of soda or potassa, has a universal use pertaining to it. They are needed for particular vegetables; but however they may

peruxalate of lime.

common vegetable matter, namely oxygen, hydro gen, and carbon. It may, perhaps, be urged, that similar formations may take place in other salts, and thus render the attention of the agriculturist to these objects altogether unnecessary. But such a conclusion will not be warranted by this example. We every where find a sufficiency of the elements that vegetable. of vegetables; and to vary the proportions of those elements is to compose a class of bodies very comprehensive in their nature. All vegetables and vegetable products, amongst which are gums, resins, starch, &c. together with the changes which they are liable to undergo, are included under them. But what have been called mineral acids, are products of a peculiar kind, and from the strong affinity subsisting between their elements, are seldom found in those elements. It is even a rare instance that the acids are discovered uncombined with other bodies. Sulphur is not often found, except in the neighbourhood of volcanoes; and phosphorus was never found in a natural state. It could not even continue to exist, were it actually produced, if exposed to the atmosphere. These observations will, therefore, completely remove all doubt respecting the necessary previous existence of the mineral ed. In order to ascertain whether it have or have usual walks of life, who still do question the utility acids, and the salts composed of them and bases, not been carried too far, a small quantity of the of our labours. To such I appeal not, for assent or as they are commonly detected in vegetables. They must convince us of the necessity of supplying of water, and a few drops of any acid he added to plants with them ready formed; or with their ele-

"In the principal grain crops which interest the agriculturist, there exists a particular saline substance peculiar to each; so, if we turn our attention to the grasses and turnips, we shall still find the same discrimination." Of this gypsum, as the saline food of clover, sainfoin, and lucerne, is a striking instance. It has been highly extolled in America, but for what purposes, and upon what principle, does not appear to be explained. It has been applied to crops of every description, and if it were used with any view whatever, it was that of improving what is vulgarly understood by the soil. Neither wheat, nor barley, nor oats, derive any advantage from its use, as it forms no necessary constituent of those grains; but clover, lucerne, &c. will, in the luxuriance of their crops, bear ample testimony in its behalf. These plants require gypgeneral request. It is somewhat remarkable, that ture."

success as manure for the clover crop; and which judice may reject the belief, that soda is necessary by analysis have been found to contain about twelve to the bile, and sulphur to the hair, and iron to the blood of animals. The quantities are alike minute, cally, we shall always find a considerable quantity and their presence probably alike indispensable. A of a hydrosulphuret, or a hydroguretted sulphuret deficiency of these in animals would be followed by of lime, substances not discoverable in any of the disease, and perhaps death; and, most likely, the crops heretofore considered, and therefore constisame consequences would attend the want of parti- tuting the specific saline substance of the turnip. Its production has never been regarded, and consequently its explanation has not been attempted. Sulphur is known to exist in albumen; and albumen exists in almost all animal fluids; and, in a coagulated state, in most of the solids; at least hair, the nails, &c. contain a very great quantity of it. From him the necessity of social sentiments and social the former, it is probable, is furnished all which is found in the manure of the agriculturist. Lately, promote the growth of wheat or barley, can afford the practice of paring salt marshes, and burning tion no assistance to the pea. The pea demands the su- the sod, has been much recommended as providing a quantity of excellent manure for the turnip crop. "As the oxalic acid is seldom found in large It is not difficult to explain the manner in which quantities in a state of nature, so as to be applied such manure accomplishes such beneficial effects. as a manure, it is probable that the pea plant has The sod of marshes, which is occasionally covered the power of forming it. This is rendered still by the sea, is impregnated with a variety of salts, more probable, from the circumstance that the amongst which are some sulphates, probably of lime oxalic acid is composed of the same elements as and soda. These, by combustion, are converted into sulphurets; and sulphurets, when brought into contact with water, evolve sulphuretted hydrogen gas, the very substance which has been observed to be constantly present in turnips; and whose presence, according to the reasoning hitherto pursued, is probably necessary for the successful growth of and gratification.

"The uncertainty of obtaining the requisite quantity of sulphuret by this process, renders it desira-ble that some one more determinate should be found, and such is immediately offered us in the sulphate of lime, (gypsum.) If gypsum, as has been stated, be mixed with carbon, (common coals will answer,) and be then exposed to a considerable heat, the sulphuric acid of the sulphate will be decomposed, and a sulphuret be formed, which may then be ground, and applied as a top-dressing to the thy men as yet refuse their assent: from early habits turnip crop, where it will, most probably, effect and education, they fear to do good, lest they may

ashes of sea marshes.

be disposed to try the efficacy of this substance, believing this to be a novelty! and some from that against carrying the process of calcination too far, baneful pest to society, denominated "parsimony." which would completely defeat the purpose intended. In order to ascertain whether it have or have usual walks of life, who still do question the utility sulphuret obtained may be dissolved in a glass gratulation; but such I would address, emphaticalit. If the decomposition has been well conduct- man mind: ments, where a spontaneous generation of them can ed, the addition of the acid will extricate a considerable quantity of sulphuretted hydrogen gas, which may be readily recognized by its fetid smell, resembling that of the Harrowgate mineral

specific saline substances in a great variety of crops; intellectual phenomenon. It is sufficient for the all of which are particularly interesting to the practical agriculturist. It would be needless to recapitulate the evidence which has been advanced to prove the essential services performed by those substances. They who doubt the utility of the gene ral, and constant operations of nature; who can attach to obvious discrimination nothing of design, which present and future generations will hail with will continue sceptical, in spite of proofs, however joy and with gratitude—with jubilees and bosannas, demonstrative. It is highly probable, that if our From these premises it may be fairly deduced, demonstrative. It is highly probable, that if our inquiries were directed to other vegetables, that we that, in a reasonable period, one sentiment alone should discover the same discrimination. It is not will prevail in Dorchester, with the whole mass of testimony in its behalf. These plants require gypmeant that every particular kind of plant would be the population, on this interesting subject; judg-sum for healthy vegetation, for the assimilation of found to possess a peculiar kind of saline substance. ment will demand it of the sceptic himself—the manures to their own peculiar nature, or the deve- It is probable that there are classes of plants which clinched fist of parsimony will open its treasures to lopement of some of their distinctive characters are benefited by the same salt. The acquisition of the proffers of interest—the uninformed, the timid, The evident advantages resulting from its use are such as will no doubt bring that substance into but be extremely useful in every branch of agricultine from the content of the proffers of interest—the uninformed, the timid, the incredulous, will all yield to the such, as will no doubt bring that substance into

ADDRESS

To the "Dorchester Agricultural Society," at their second Fair and Exhibition, November 9th, 1826, by DR. JOSEPH E. MUSE, President of the Society.

When the mind of man becomes ardently attached to a particular object, from a deep conviction of its magnitude; from a thorough consciousness of its high intrinsic importance; his soul glows with exultation at every step which approximates to its attainment; when in connexion with his own, the comfort and happiness of his friends and neighbours are promised, as the fruit of its accomplishment, he is, by the laws of God, which have impressed upon passions, more animated by the prospect of successful pursuit; he is transported with its demonstra-

Before us, is presented this gratifying spectacle: a second exhibition of agricultural merit and energy, the early fruits of our youthful institution; in the evidences of its utility before us, with allowance for the limited existence of our society, are realized our

most sanguine anticipations.

The well selected animals of superior form and condition, mark a rapid progression in the care and improvement of our flocks, and offer the most flat-tering promise: the ingenuity and taste displayed chiefly by our ladies, in the domestic manufactures, confer honour upon their authors; and to every generous mind must impart a glow of conscious delight

To dwell upon the attainments derived, and prospectively derivable from our institution; to dwell upon self-evident and obvious truths; convictions that all must feel and acknowledge, whose minds and vision are not obscured by native defect, or factitious fault, would be superfluous; its manifest results; its respectable augmentation; the daily sanction of, and contributions from the wealth, intelligence and merit of the county, leave but little for scepticism itself to play upon. Some good and worgreater advantages than are now produced by the do evil. Some reject it from native indolence and inactivity. Some from an unfortunate obtuseness "It may be necessary to caution those who may of intellect, and a riveted addiction to old habits, Some few there are, and highly respectable, in the ly, in the words of the great anatomist of the hu-

> "Presumptuous man! the reason wouldst thou find, Why form'd so weak, so little, and so blind?"

For some wise purposes, Providence has placed in all human societies, heterogeneous existences, "Thus then has been established the existence of and our limited minds are incapable to resolve the friends and patrons of this institution to know that the introduction of an agricultural exhibition and fair into Dorchester, will result in a general good to the community, to the friend and to the foe: that it will mark an era in the practical husbandry of the county; in its science, its wealth, and its happiness;

son founded in experience—all will unite to lend to

terests of the farmer.

Are these no interests to command the respect of promotion, before eyes of the dullest vision? I presume no friend or adversary will answer in the negative. Is the reluctant farmer apprehensive of imputation on his character, for promptly and generously contributing the influence of his mind, body and purse to this great cause of humanity? to the science and practice of his profession? The profession of agriculture, gentlemen, associates no imputation, no guilty blush-its suffusions are those of health, contentment, and gratitude to the divine author of all good. The profession of agriculture involves as much skill, as much interest, and as much honour, as any object within the range of the attention or the action of man.

Agriculture may claim, without arrogance, a choice niche in the temple of science; her sphere of mit of acclimation, and be adapted to our commer-influence, the extent and variety of her research, cial or domestic purposes. her utility, her enchanting beauty, will extort from

her proudest rival, confessed equality.

As an art, agriculture will not suffer from a comparison with any of the employments of man-as a judicious writer has justly remarked, "it is agriculture, not manufactures, that renders a country independent; that produces the necessaries of life, this its conveniences—the former imparts life and vigour to man, the latter feebleness and profligacy.'

the means to accomplish them, fair and efficacious, what motive can be offered by the being who weighs impoverished lands. his actions in the scale of reason, for withholding

his co-operation.

I am happy to bear witness that the county at large has done itself honour, our members have more nutritive than any other vegetable. It forms, multiplied since our last exhibition; our means are in this respect, the connecting link between the two enlarged; our premiums are increased in value and organic creations; yielding upon analysis from twenvariety; demonstrations are numerous and obvious ty to thirty per cent. of a substance called gluten

group of her sister counties.

jects, as I conceive may merit a portion of your atday, afford the means; and I shall claim your inequal interest to the agriculturist.

I shall offer no apology for attempting to introduce into Maryland, the growth of cotton as a staple crop; and shall endeavour to demonstrate the absolute necessity of the introduction of new and additional crops; first, upon physiological principles; secondly, plant may unfold a leaf of flattering promise, but mercial intercourse restored, is a political problem upon a view of our commercial relations, so far as they his grain will be imperfect; it will be worthless; of difficult solution. The unprofitable effects are immediately affect our markets; and thirdly, I shall because his soil had been exhausted of its essential apparently becoming re-active causes, and promise notice such relevant circumstances as may bear upon the same point, or, generally tend to promote the

agricultural interest of the county.

On a former occasion, I perhaps laboured against the current of popular opinion, to establish what might have been termed a favourite hypothesis; yet what I would dare to denominate well settled prin ciples of physiology, that vegetables, like animals, have their preferences of foud and habitation; an instinctive faculty with which they are endowed by sandy banks; another in the deep morass, and even the supply was greater.

this infant institution the fostering hand, for the in- perforate the earth for many feet in depth, in quest with a progressive talent for improvement in knowthe surface soil—one will gorge and thrive on coarse the community? have the means no efficacy in their undecocted materials, while another will select such tinue in the limited sphere of primitive society, in finer particles only, as have been eliminated from voluntary darkness, when the great God of nature the refining laboratory of nature; some are carnivorous and require, indispensably, a supply of animal food, without which they perish, or degenerate into the divine mandate, and to spurn those favours of worthless existence; and others, herbivorous, are content with a vegetable diet alone; and their products are as various as their food; exhibiting an infinite diversity of constitutions; of ultimate principles, infinitely permutable, variously arranged and tems, because they are old; though reason, science, proportioned, forming proximate components in experience and interest, imperiously demand the ill endless varieties.

From these principles are derived the obvious advantages of diversifying our crops; of cultivating as many of our native plants as may be found valuable; and of introducing as many exotics as may ad

To illustrate more fully this interesting subject, I will assume, that wheat is a carnivorous vegetable. and subsists chiefly upon animal food: the element nitrogen is peculiarly characteristic of animal matter, constituting in regard to ultimate principles, the essential discrimination between animal and vegetable substances: does it require much discernment to perceive, that the continued growth of this plant alone, in the most fertile field, would, by its extrava-If then, the objects are great and honourable, and gant consumption of this element, shortly class the soil, in common reputation, with the exhausted and

It is literally true, that this great staple of our country, once its boast for luxuriance and quality. contains this animal principle, which renders it that Dorchester is destined to occupy a lofty stand which exhibits ammonia, and other results, precise for agricultural character, in the highly respectable by the same as the animal albumen. One of the elementary principles of this ammonia, is nitrogen,-In the performance of this, one of the duties of Hence it follows, that the grain of wheat must rethe office with which you have kindly continued to quire more than any other vegetable, this element invest me. I shall occupy but a short space of your for its full developement, maturity and perfection time, in presenting to your view such prominent ob- and continued, almost solely, as it has been, for a century or more in our soil, and generally too, with tention—I shall avoid as far as possible, the trite out artificial restoration of the soil by animal ma-and usual subject of manures; their combinations nures, which alone can furnish it in competent and their respective adaptations to soils of different quantities; and without respite for the kindly ope-characters, as one, of which you are already as ful-rations of Providence to perform the task, by the by informed as the learning and experience of the gradual absorption from the atmosphere of this element, supplied by the various emanations of dedulgence on subjects, perhaps not so familiar, but of composing animal bodies; is it not obvious that the manufacturing for ourselves; by this ill judged subfarmer, who offending against the laws of nature, and presumptuously spurning the precepts of reason and of science, may have adopted the heterodoxy, and lingly, perhaps, if practicable, resume their former made the experiment, shall truly acknowledge his position. Whether at all, or when this point may merited disappointment and mortification? His be regained, and the sound policy of a liberal comcomponent-his corn, his cotton, his various other crops, may flourish in his impoverished soil, inca-have so unwisely wandered: one, to which the pable of wheat, divested of its nitrogen, yet replete American agriculturist must look with the deepest with the elements of other vegetables.

To these, then, devote your exhausted soil; diversify your crops in wide ranging circles of time and varieties, that art and nature may have time to tresses, to commence a retrogression, by an imperoperate a supply of the defective elements.

Thus direct your series, and not by the dogmas of ancestral habits, which at the time of their adop-

of food; while another will rely for its support on ledge and means, pro rata, to acquire them. To neglect this talent, to resist this impulse, to conhad ordained a diffusion of light and knowledge, for the comfort and elevation of man, is to reject moral and physical character, by which intelligence had marked his superiority in the scale of creation.

My very intelligent audience need not the rebuke, hut such are to be found who adhere to old sys-

famed innovation.

To the rational and unprejudiced mind I submit the interesting question: does not physiology teach the absolute necessity of introducing into a country, relying upon two staple crops only for a century past, others, which experience may prove, are adapted to our soil and climate? Both reason and experience have settled this question; its established principles leave no doubt; and precarious markets demand the experiment. In this sentiment, every class and profession of the community, are deeply interested; and heedless of it, the wealthy and indigent will be involved in promiscuous embarrassment.

It is notoriously true, that from change of soil and climate, destructive insects and depressed markets, the wheat crop, once the great staple of our country, is failing as a resource for the farmer; his corn serves him for little more than his domestic uses.

To remedy these defects by new crops, to discover such as will flourish in our climate and soil, and command a better profit, or enlarge the chances of market, are unquestionably objects of the first magnitude: the process may be difficult, but it is rendered more so, by the insuperable addiction of most men to inveterate habits of thought and action, right or wrong, than by any other circumstance.

To assist the judgment in the adoption of a new series of crops, a prospective view of their demand and probable prices, would form an interesting topic; but here, unfortunately, we have but few data,

upon which we can make an estimate.

Our commerce with Great Britain, subsisting once upon the basis of mutual interests, afforded to each a liberal reward for industry; she received the fruits of our soil, and gave us in return her manufactures. When her policy or her avarice had closed her ports against American productions, we re-taliated the measure by excluding her goods, and stitution of mutual annoyance for mutual kind offices, each have materially suffered, and would wila partial restoration to the ground from which they interest, as materially affecting the value of his productions.

England has been coerced by her internal disfect modification of her corn laws; and there is

reason to hope that she may repeal them.

This system of covetous policy has brought Eunature for their health and nutrition; and though tion, needed not so urgently the discrimination. The rope to the verge of ruin, and has recoiled upon its this principle may be partially modified, yet it can-lands were new and fertile, in all the principles of author, with a deleterious influence. It has destroynot be eradicated, or totally perverted by the art vegetable life; the population was more sparse and ed the objects of its creation, by its grasping avarice; or power of man. The one will flourish on dry and less luxurious; the demand was not so great, and it has impoverished the continent and itself. By official reports, the whole stores of the Russian, in the beds of rivers will be found a luxuriant vegetation, while others perish by submersion; one will creased, so has a kind Providence endowed man men and Hamburg, would not furnish ten days' stances be much extended.

an additional incitement to agricultural industry.

Of the cotton market, the prospect is not so discouraging as generally believed; though Great Britain is experiencing unparalleled distress; and monopolies and protection laws, sinister and conflictto be retracted; the education, habits and interministry to retrench a system, whose pernicious and mer on the clay soil, under the finest possible cul-which may possibly be ascribed to its being a very inordinate extent is admitted by many of its former ture, as many of you have witnessed. and most conspicuous advocates; and it is well auinstar omnium, will have its flux and reflux, its re-soil, the most important point of security. gorgement and its revulsion-the balance will be restored and the corrent run as usual. While the his labours The export of this article from England, the first six months of the present year, has the most favoured regions of the globe, and its continuance may be safely presumed.

In our own country, the progress of manufactures will justify the planter in large calculations for the demand of this article. In 1805, about one sumption of this material at 90,000 bales, and it is now believed to be five times this amount.

What evil sequelæ may ultimately attend this morbid growth, this extravagant devotion to the the market is co-extensive with civilization. manufacturing industry; it is not my duty, if it were in my power to predict. The thread is drawn, the one, whose latitude, soil, climate and market, are wheel is flying; how many revolutions, before the emphatically our own; one, which will give strength officious Atropos shall tender her unwelcome services, eventful time will disclose. To make a pre-our dairies, and will adorn the generous and hospider an acknowledgement of the high sense of oblisent advantage, to derive a partial good from an table board with the choicest viands; and yet one, I gation which I entertain, for the distinguished inlosophy, from this source a dawn of hope is presented to the agriculturist, and many years, possibly ages, of profitable labour may yet reward him.

From these considerations-from the physical advantages of a larger rotation, the extended prospects of a market, and the value of the article at culture is one of our most palpable errors. home and abroad, I have adopted and recommend name to this intelligent audience the comforts and to your attention, experiments of the growth of luxuries of life, flowing directly from this source of dependent, most honourable, most inviting, and cotton: if error be imputed to me, I stand counselled industry, would be presumptuous; to attach the de- most useful of the occupations of man. by the judicious and classic sentiment, nulla palles- linquency, I am justified by the notoriety of the

cere culpa.

cotton, (upland species,) the present year, it is not yet, it is almost wholly neglected, and the small yet in my power to state, as the gathering will not quantity of grasses grown, are considerably dimibe completed before the last of December; an earlier period than is usual in the south. A season so unpropitious has not occorred, perhaps, in the memery of man. The unprecedented drought of the spring has retarded its growth and maturity many

growth ultimately became luxuriant, it was too late matter. From these facts, from the necessities of Great for a full return, five weeks elapsing before it was Britain, the exhausted state of the continent, and its fully up; a circumstance unparalleled in the annals imate principles, which contain chiefly the nutritive inability to supply her demands, the superiority of of agriculture-yet southern planters, who have powers of vegetables, are saccharine matter, starch, American* wheat, over that of northern Europe, and viewed it, pronounce it a respectable crop in point mucilage and gluten. To ascertain the quantities the earlier maturity of our crops, a flattering prose of quality, and of beautiful staple. What may be and compare the relative proportions of these prinpect is presented of better prices for our bread stuffs; the extent of injury from the continued autumnal ciples, to esculent plants, before we adopt or select rains, I cannot yet know; to such calamities all them for cultivation, is unquestionably a point of crops are equally subject.

my Appleby farm. From other planting of the vices may avail you, I freely tender them. same day, on a small scale, on the bickory and black ing interests, may long continue her misfortunes; walnut lands of 'Transquakin, of much lighter tha days past, from a hundred parts, ten of saccharine yet her manufacturing system has proceeded too far racter, a heavy gathering was obtained, three weeks carlier than from the former; notwithstanding an hundred of nutriment. The beet," from which I ests of a powerful class will resist the efforts of her inferior and most slovenly cultivation, and the for-expected more, did not yield so much as the carrot.

thenticated, that the excess of domestic supply, or opinion of some modern writers of the south, is its weight of nutriment chiefly starch. the increased exertions of the manufacturer, more clearly in favour of light soils for cotton; perhaps, than the decline of foreign demand, has produced in our climate only, where a short summer, compa- that be your rotatian large or small; your lands rich the temporary distress of her cotton trade; which, ratively, makes the accelerated growth of a warm or poor; your crops indigenous or exotic, without

My crop of Palma Christi has been rendered considerably abortive by the same cause, the drought; your best hopes will be frustrated, your soil will be manufacturer can find a purchaser, he will continue and not more than three acres of ten vegetated at vitiated, your crops drowned, the atmosphere of all. The domestic and foreign demand for this ar- your dwellings will be contaminated by noxious exticle are both extensive, and though the market has balations-and bilious infection, with all its retinue exceeded that of the same period of the last year; suffered a depression, it is quoted in the prices curand the present decline, it is said, does not exceed rent of New York at \$1.90 per bushel. The proreclaim your marshes; rely not upon the proffered, the ordinary fluctuations of commerce. In this duct of one bushel of seed is about three gallons of but vain hope of state treasury, and state agency, great foreign market, the character of American oil, which will usually command \$1.50 per gallon—in this important affair: they are illusive phantoms, cotton has sustained a successful competition with and 25 bushels per acre will, from my experiment, which will operate only to abstract you from realiform a reasonable predicate for calculation, affording in the result, to the planter and the manufacturer, a liberal compensation for his labour.

Be not startled, gentlemen, when I mention another crop which I think of introducing, the followthousand bales made the total demand of this branch ing season, into Dorchester-the Rubia Tinctorum, of manufacture in the United States. In 1816, an or Madder plant, which will infallibly succeed in official report to Coogress, states the domestic con- our climate, and holds out a fair promise to the wide field of well founded anticipation. By a modecultivator. It is largely grown in a parallel of latitude, more than thirteen degrees north of us, in the develop and enjoy those hidden treasures, riches. unkind, cold and humid climate of Holland-and comforts and luxuries of life, which a kind Provi-

One other crop merits our most special attention; and activity to our teams, richness and profusion to ed me, and to the members of this institution I tenevil which we cannot avert, is the part of true phi- am compelled to say, whose introduction into the county, might fall under the denunciation of the towards me; and I take this occasion to repeat, that frugal and fustidious farmer, a martyr to the odious though I decline the honour of a re-election for the epithet of innovation. The large and valuable family of the grasses, is that to which I would call your attention. The neglect of this branch of agri fact. The deepest interests of the farmer are inti-The result of my experiment of thirty acres of mately connected with this object of attention; and nished in value, by premature harvesting. Frequent and infallible analyses have established the deep than 1826—and will no doubt be read with inquent and infallible analyses have established the deep than 1826—and will no doubt be read with inquent that the grasses contain the most nutriment, terest by the tobacco planters and others of this when their seed is matured; and if cut, when in state. - Zanesville Messenger. flower, the weight of nutritive matter lost exceeds half its value.

Many roots of equal value with the grasses, are compliance with your request to communicate any totally neglected as food for cattle. The carrot, information that I might deem useful to the citizens

consumption for the inhabitants of Great Britain; weeks. The planting was commenced on the 5th more than its weight of water and woody fibre, and could not under the most promising circum-

It may not be irrelevant to remark, that the proxprimary importance. In this, or any other branch This experiment was made on the clayey soil of our agricultural profession, where my feeble ser-

In regard to the carrot, I have obtained a few matter and four of mucilage, making fourteen in a The interence from these facts, contrary to the not examined; but it is said to yield one-fourth of

To conclude, gentlemen, permit me to remark, thorough draining, your expectations will be disappointed-under the influence of stagnant waters. ties. You will command the retribution of health, wealth and happiness.

The luxuriant issue of the experimental crop of wheat and corn, the present year, on the reclaimed marshes of our southern friend, (Mr. Slawson,) to whose meritorious energies I have jostly borne witness on a former occasion, opens to your view a rate portion of industry, economy and skill, you may dence has designed for those who ask and seek her

Finally, gentlemen, I have to tender my thanks for the polite attention with which you have honourstances of kind feelings which they have exercised ensuing year, as President of this society-yet, as far as my feeble exertions may be serviceable, they will be ardently continued, for the promotion of the science and practice of a profession which I have adopted, and which I hold to be one of the most in-

ON HEMP, WOOL AND TOBACCO.

The following letter was received from a highly respectable and intelligent gentleman of Baltimore,

In reply to several written queries handed me when I had the pleasure to see you here, and in

^{*} Analysis of American Wheat .- From 100 parts of white flint wheat, grown in Dorchester, Md. on a clay-totally neglected as food for cattle. The carrot, ey soil, I obtained 30 parts of gluten. Wheat grown the beet, the parsnip, and the potato are all worthy of in northern Europe, is stated to yield only about 20 attention for this purpose. The turnip, even the parts of gluten in 100.

*From a fine beet, since procured, 1 obtained 12 parts far famed species of ruta baga, is worth very little of saccharine matter in 100.

price" varies from \$3.50 to \$25, in accordance with low ought to be fired-that the smoke flavour is not the various shades of quality; very little, however, objected to in the north of Europe, where this dethat comes to market, will command the highest scription is mostly used—and that by the firing a cerprice named; but tobacco carefully selected, well tain sweetness is imparted to it which it would not qualified, and every hand fine yellow, would sell otherwise have. readily at this price. The greater proportion, however, commands from 6 to \$11.

on the character which may be established for it in matter may be tested. Europe, and partly on the extent of the crop in

Ohio and Maryland.

am unable to perceive why it should not be favour- ryland, the fine yellow or kite foot can only be ob- myself, to teach the most effectual and eligible mebeen pronounced inferior to the Maryland in point is inferior to the first, and the third to the second, and garden, I have thought it might be worth while of flavour. Time will test the correctness of these lf, then, they continue the cultivation in this state, to enumerate those plants which are most troublelow an average crop in quantity, and the quality is admitted on all hands to be inferior.

It must, however, he borne in mind, that there is market. as, much of the last Maryland crop still in the state warchouses as, when added to the quantity made this season, will make a full average crop. The hope that for fine yellow, and fine red, such a price will be obtained as will reward them for their labour. To obtain this, however, it is necessary that posed to rate the quality from the inferior, rather than the superior tobacco packed in the hogsheads.

Last season, some of the Ohio hogsheads were about "light weight" It is therefore better that they be made the full Maryland size, say 49 inches long, and bulge and head added together not to exceed 70 inches. A hogshead of these dimensions will contain from 7 to 800 lbs. of yellow tobacco.

This is the proper market to which to send the fine tobacco, as it is only here that the quality is properly understood; that it is miserable policy to send the inferior qualities here, as they only produce sufficient to pay the expense of carriage and other charges: hence, whilst they pay nothing on the labour bestowed on them, they increase the charges on the fine tobacco by increasing the price of transportation. It is better, then, to send the trash of them to remain at home.

As regards the proper time to send to market, I have to remark, that the earlier it is forwarded after being properly qualified, the better; for the expense of putting a hogshead of tobacco into the state warehouse for one day is the same as if you permit it to remain there for one year; hence, by sending early, you have the choice of the period of

sale without any additional charge.

There is some diversity of opinion as to the advantage of curing by fire. In Maryland the plan ters cure by firing; they are not able to obtain the fine colour without it. But many suppose that in quick, it could be sufficiently qualified and the fine country must be drawn from your state.

Your climate being suitable—your limits can be done, it is the opinion of Mr Boyd, one and the expense of transportation being from the smoky flavour which he deems an objec-profitable business.

of Ohio, I proceed to temark, that the "present the ordinary qualities; but they think the fine yel-

judge differ so widely, it would be the part of prac-gardener, it is believed that it would be advanta-The future price of Ohio tobacco depends partly tical wisdom to qualify some on each plan, that the

hio and Maryland.

down all competition on the part of the slave states injure the crops, usurp the grounds, or impede the As regards the character of the Ohio tobacco, I in relation to the finer qualities of tobacco. In Ma-labours of the agriculturist. Without presuming, able, but rumours are affoat, that in Germany it has tained from lands newly cleared. The second crop thods of extirpating the vegetable pests of the farm rumours, and I hope prove them to be unfounded they will shortly have no land to clear; whilst in some and injurious, in this region of country—and As regards the extent of the Ohio crop, you are of Ohio you have lands in abundance, which you are briefly to note the methods practiced, by our most course better informed than I can possibly be; hence desirous to clear whether you grow tobacco or not. on this point I would be glad to receive information The result of the matter will be, that the fine qua- I shall notice them in the order in which they are from you. The Maryland crop is considerably be-lities which will bear the heavy expense of trans- presented in the Linnaan, or sexual arrangement of quality will be grown in this state convenient to

counted for by stating the fact, that there never to be as neatly and advantageously conducted, as was any thing to justify the extravagant prices paid that of any other portion of the United States: but Ohio planters will have the advantage in the quali- last season, and that those who made investments the art of subduing certain injurious weeds may be ty of their tobacco, and I think there is reason to at those high prices sustained a loss on their ship- better understood, in some districts, than it is here.

they must all have been ruined

great attention be paid to selecting and assorting of hemp, said to be cleaned in Kentucky by a mathe tobacco, and to packing the same quality and chine, without naving been previously either dew colour together; for purchasers are very much dis- or water rotted; and I am assured by one of our acceptable to a number of your readers. most respectable manufacturers of cordage, that this sample is in every respect equal to the best J. S. Skinner, Esq. Russian hemp, and that he would cheerfully give made too small; and consequently the shippers, who for the same quality \$200 per ton: whilst the compay for freight by the hogshead, made complaints mon dew rotted will not command more than \$120

The dew rotted temp is completely cried down, and to water rot it was objected to in your state, because it was not only laborious, but deemed very unhealthful in your climate. Should, however, the machine spoken of be found to answer, I see no good reason why the attention of the people of Ohio should not be turned to the growing of hemp. The protecting duty is about equal to the expense of transportation to the sea board; you would therefore be placed on an equality with the grower in Russia, and eventually you would drive him out of the market. It seems to me that this is a subject worthy of investigation by your men of public spirit. green, brown and olive down the river, or permit It is understood that your soil is admirably adapted warded for labour bestowed upon it than if bestow- ture. ed on the cultivation of any description of grain.

The subject of growing wool has already attract ed some attention in your state, and I doubt not but those who embark with spirit in this branch of bu-siness, will profit by it. The time has arrived when the woollen manufactures of this country are about to increase with great rapidity-and as it seems to be admitted that wool rather deteriorates along the Atlantic sea board, whilst it improves in quality in fine colour without it. But many suppose that in thio, the time must come when the supplies for your state, where the soil is rich and the growth the manufacturing establishments in this district of

Your climate being suitable-your lands cheap, and the expense of transportation being but a small of our inspectors, that the tobacco would be more per centage on the value of the article, it seems to valuable than if cured by fire, as it would be free me that the rearing of sheep must prove to be a

Ohio has already been distinguished for her Me-On the other hand, I have conversed with two rino wool; and I hope by the aid of your public spiconcur in opinion with the inspector, in relation to to the north, will find their way to your genial climate. cellent Floras of Messrs. Torrey and Elliott,

FOR THE AMERICAN FARMER

ON PERNICIOUS AND UNPROFITABLE PLANTS.

West-Chester, Pa., Feb. 19, 1827.

Whilst a knowledge of the useful plants is an ob-Whilst those who are deemed most competent to ject of primary importance with the farmer and geous to be better acquainted with those which are worthless, or peraicious - and especially to learn the If the freemen of Ohio persevere, they will put best modes of subduing and eradicating those which judicious farmers, for keeping them in subjection. portation, will be grown in Ohio, whilst the inferior plants-giving the botanical and common names, and accompanying them with such remarks as my limited information may suggest.* The agriculture The "cause of the decline in price" may be ac- of this vicinity has been supposed, by good judges, ments; had they continued to pay the same prices, Certain it is, that our farms are infested by some pernicious plants which baffle all our efforts to get I have recently examined a very beautiful sample rid of them; and any information which may be elicited from other quarters, in relation to the objects of this essay, will doubtless be interesting and.

Yours, respectfully,

Notices of Pernicious and unprofitable Plants, which infest the Farms in Chester county, Pa.

(Read before the CHESTER COUNTY CABINET OF NATU-RAL SCIENCE-communicated for the Am. Farmer.)

No. 1.

DIANDRIA. - MONOGYNIA.

Salvia lyrata. Wild sage. - Meadow sage. Cancer weed.

This is a worthless plant, in an agricultural point of view, and frequently abounds on dry, sterile meadow banks; but it is not very troublesome. It is readily expelled by manuring the soil, during a rotation of crops, and introducing other plants of more value.

TRIANDRIA. - MONOGYNIA.

Scirpus. Club rush. Several species of this octo the growth of this article, and there is little cur in low, wet meadow grounds, and are all worthdoubt but that the cultivator would be better re-less; but may be eradicated by draining and cul-

TRIANDRIA.—DIGYNIA.

Leersia ornzoides. Wild rice. Cut-grass.

This is a grass of little, or no value, and is very troublesome in the latter part of summer, by filling up ditches with its herbage, and impeding the progress of the water-thereby causing the adjacent grounds to be swampy. Careful draining, and culture with the plough, are the most effectual methods of extirpating this, and other aquatic weeds.

Bromus seculinus. Cheat. Chess. Brome-grass.

This foreign plant is chiefly injurious by mixing and growing with our small winter grain It is particularly troublesome among wheat; and some farmers are less careful to weed it out than they might otherwise be, in consequence of a strange notion that it is nothing but degenerate wheat. This notion, of the transmutation of plants, was brought

^{*} Those who may desire to see an accurate description gentlemen, recently returned from Germany, who rited citizens, some of the fine Saxon sheep lately sold of the plants here enumerated, are referred to the ex-

tion hither. In Europe, they believed that wheat in the world. Of the acer (maple,) there are 27 va- has been taken up, until the ground has been well changed to lolium, or darnel; but when they brought rieties; crætagus (thorn.) 47; fraxinus (ash.) 32; pithe belief to this country, they happened to leave nus (pine.) 40; quercus (oak.) 40; rosa, (rose.) with The facts stated by Mr. Curtis are part the belief to this country, they happened to leave nus (pine,) 40; quercus (oak,) 40; rosa, (rose,) with the lolium behind—so they very adroitly substituted its varieties, 1450; salix (willow,) 192; ulmus (elm,) bromus in its stead, as being the nearest like it of 20, &c. any thing they could find! All which goes to show, Cover that vulgar errors are not to be defeated by accidents of that sort, but must be subdued by the acquisition of correct information. Constant care in the selection of seed, is obviously the mode to keep this plant, as well as cockle, out of the wheat field.

Andropogon. Wood-grass. Indian-grass. Four or five species of this worthless grass prevail in our sterile old fields, and always indicate the thought cheap. Strawberries 3s per oz. Swect-owner to be an indifferent farmer. It can be got water Grapes 2l. 2s and upwards per lb. rid of at any time by improving the land.

Panicum. Panick-grass.

We have ten or twelve species of this grass, which are of little worth; and some of them are nuisances, not easily got rid of, especially the P crus galli, or cock's foot panick grass. This species is a foreigner, and generally prevails in rich, moist meadows, and about the drains of barn yards.

Setaria glauca, Torrey. Fox-tail grass. Bottle grass. This is an abundant grass, particularly in stubble is a foreigner. (To be continued.)

WOOL.

We have been assured that the wool produced last year by the flock of Mr. Sprigg, near Wheeling, was sold to the Messrs. Rapp, at Economy, for the sum of \$2400. It is supposed that not less than \$150,000 worth of wool was, within the last year, transported eastward from this city, Steubenville and Wheeling. When the Steubenville woollen factory was established a few years since, wool enough could not be procured west of the mountains to keep it in operation. Now there is a large factory at Economy. If protection were afforded against the fluctuation of foreign supply, there would soon be several great establishments for the manufacture of woollen goods in this city.

[Guernsey (Ohio) Times.

HORTICULTURE.

HORTICULTURAL ITEMS.

From Loudon's Gardeners' Magazine for 1826.

apples, in the Gardener's Magazine:

the surface of the ground, and twelve feet long. I that each requires a specific or particular food. Incovered the sides and bottom with turf, the grassy deed, this is amply recognized in the rotation of sides upwards, and then filled the space with golden crops. A succession of the same crops will ineviknobs and some French crabs, about 22 feet deep tably deteriorate, unless the soil upon which they the eye of heaven could rest with complacency, it in the centre, sloping a little to the sides; I then are sown is annually supplied with the specific food covered them close with turf, the grassy side next which they consume. We see this principle further man can put asunder." And to those who are fond the fruit, to keep them clean. I next had the ridge illustrated in the alternations of spines which are of observing the various scenes of life, the weddingcovered with mould a foot thick, to keep out the constantly taking place in our meadows and in our day incident will afford a theme in which fancy can frost and exclude the external air. In the end of forests. In Gloucester, Eng., the sainfoin will abide revel in wild and happy luxuriance. Although it is April I had them taken out, in fine preservation. I in the chalk soils ten years; after which the same a time for rejoicing, as every pretty face will tell by again last autumn kept 50 bushels in the same way ground will not grow sainfoin till ten other years the smile that plays upon it: yet, at times, a solemwith equal success."

derately mixed with the top soil, has been found a may be remarked, contends that a rotation of crops rich revene. Trans.

from Europe by some of our credulous ancestors; varieties of plants. The trees and shrubs are said Nurserymen, if they understand their business, but a curious circumstance happened in its transito exceed in number those of any other collection never plant a species of tree where the same kind

cannot fail to excite surprise;

Feb. 7. Asparagus 10 to 12s per 100. Apples t6

to 20s per bushel.

Feb. 21 Cucumbers 21s per brace.

2s per uz. Apples 24s per bushel.

April 18. Young Potatoes 2s 6d to 4s per lb. May 16. Cherries 12 to 16s per lb.

dred. See Gard. Mag pp. 216, 348.

duce more nutritious produce, if cropped with a land; if a larger quantity of these seeds is sown, whether of these two species, or of any other two. the extra plants vegetated (which will certainly appear at first, if the seeds are good,) will decay in a short time, and leave blank spaces to be filled up with weeds or spurious grasses; or, in fact, plants of different species, supplied by the soil, manure or neighbouring hedges. But if, instead of two spe-cies of grasses, eight to twenty different sorts are sown on the same soil, or that now alluded to, a thousand plants will be maintained on the same space, and the weight of produce in herbage and in hay increased in proportion.—Hort. Gram. Wob, pp.

It has been remarked by farmers, that if oats and peas are sown together, each in sufficient quantities for a crop, the product of each will be as great as if it had occupied the ground wholly. The only way in which I can account for this fact, as also that quoted above from Curtis, is upon the Preservation of Apples in winter.-Robert Donald theory of Grisenthwaite, that different species of thus describes his method and success in preserving plants take up different qualities of food from the soil; that what is indispensable for the perfection of I had a trench dug five feet wide, one foot below one, is not necessary to, or taken up by, another; complete preventive of the depredations of the grub, is not necessary; but this is only on the supposition, of mouldiness in onions, and the clubbing in the roots of cabbages and cauliflowers.—Lond. Hort.

The who passes through life without ever feeling of mouldiness in onions, and the clubbing in the that the specific manure consumed by the crop is annually restored to the soil by the cultivator. It sesses, when age has whitened his locks, and the consumed by the cultivator.

plants, have their particular seasons of growth. Covent Garden Market .- The following abstract There are several species which start with the first of the prices of forced and other vegetables in the London market, which are quoted from Loudon, April or May. Others start later, grow vigorously after the first have become stationary, and flower in succession, in June, July and August. Others preserve their vigour and growth until vegetation is checked by the frost of autumn. A pasture pos-March 21 Colmar Pears 11. Is per dozen, and sessing these different kinds, some of which are in vigourous growth in every part of the grazing season, must possess a manifest advantage over that April 24. Grapes 24 to 30s per lb. Strawberries which has but one or two kinds, which only shoot with superfluous plenty in spring, in midsummer, or in autumn, independently of the consideration suggested by Mr. Curtis, that the number of plants, June 3. Garden snails 1s per doz English frogs and the gross product, will be more than doubled; 1d each; snakes 4d each; leeches 10 to 20s per hun- it affords a luxuriant growth, and abundance of nutritious feed, at all times. It is this property which Important fact in regard to Grasses .- Any certain gives a peculiar value to old pastures. In Great soil, says Curtis, will maintain a greater, and pro- Britain they are esteemed a third more valuable for the dairy than pastures newly laid down; because fields, though it is pretty well kept under where number of different species of grasses, than it main they contain many grasses, some of which luxuriate other grasses have possession of the soil. Poultry tains and produces it cropped with only one or two at every season of the year. By sowing the many feed on the seeds, but cattle are not fond of it. It species. This is a curious and important fact, and kinds of grasses which they contain, a new pasture which has been unnoticed in previous works on the will attain the value of an old one, the second or subject, as well as neglected in practice. It an acre third year after seeding. A better attention to our of good land is sown with three pecks of rye grass, indigenous grasses, and the introduction of more and one peck of the clovers or trefoil, 470 plants from abroad, would very much further the interests only will be maintained on the square foot of such of American farming.

J. B.

LADIES' DEPARTMENT.

THE VOW.

O clear that cruel, doubting brow! I call on mighty Jove To witness this eternal vow-'Tis you alone I love.

"O leave the god to soft repose, (The smiling maid replies,) For Jove but laughs at lovers' vows. And lovers' perjuries."

By honour'd beauty's gentle pow'r, By friendship's holy flame! "Ah! what is beauty but a flow'r. And friendship but a name?"

By those dear tempting lips, I cry'd; With arch ambiguous look, Convinc'd, my Chloe glanced aside, And bade me "kiss the book."

THE WEDDING.

If there be a scene in this wide world on which have intervened. (Marshall.) In Holland it is con-nity will steal unawares over the mind, as we pon-Charcoal dust, the refuse of a charcoal pit, applied to the ground half an inch thick, and mother than once in ten or twelve years. Grisenthwaite, it until our feelings will be for a moment lost in a mild

Trans.

Loddige's Nursery, at Hackney, near London, well where an old one has died or been dug up; yet him, will acknowledge that wedding scenes are contains more than 8000 species, exclusive of 2000 a tree of another species may thrive well there, sunny spots that glitter on the landscape of his

memory; they are scenes in which he would willingly become an interested participator, for he now feels that he is alone in the world; there is no heart that beats in unison with his; no hand to smooth the pillow where anguish dwells, nor hang with the fondness of affection over the fevered frame.

But very different are the feelings of the young and enthusiastic, when they mingle in the wedding joy; gaze upon a happy groom and smiling bride. They have a thousand fairy links woven in a chain around them by the busy hands of Cupid. If, then. fancy is centered on an object, they long to make her their bride, to see her cheerful and happy; and if not, their eyes will roam around to find a fair one worthy of the affections they have to bestow. Yes; at such times there is a rapture in the thought, a joy in anticipation of that day when the sun shines sweetly upon their happiness; when their destiny will be linked with another; he to protect and cherish, she to love and soothe. Thus, one wedding creates another-may there be many.

SPORTING OLIO.

(From the Annals of Sporting, Dec. 1826.) SALE OF A STUD OF ENGLISH HORSES.

HARDWICK STUD

Hail, happy Britain! highly favoured isle, And Heaven's peculiar care! to thee 'tis giv'o To train the sprightly steed, more fleet than those Begot by winds. Somerville.

The following account of a sale of horses in training, three years old, two years old, yearlings, brood mares, hunters, half-bred horses and colts, (the property of W. Russell, Esq.) at Hardwick, near Sedgefield, in the county of Durham, on Thursday, Nov. 16th, shews the increasing estimation in which not only racing, but a cultivation of the breed of horses of the purest description, is held in this country. This remark applies with equal force to France, Germany, Russia, and even to the East Indies; no potentate, prince, or noble, deeming their stables furnished, unless in the possession of English-bred horses. Hence the importance of the subject, in a pecuniary view, not only to breeders, but to the nation at large.

We omitted to state that the sale was under the direction of Messrs. Tattersall, to whom we are indebted for the prices of the respective lots.

Abron, 6 years old, by Whisker, out of Altisi-	gs.
dora. Lord Darlington,	450
Mustachios, 5 years old, by Whisker, out of	
Leon Forte. Mr. Dickinson.	520
Dauxtless, 4 years old, by Whalebone, out of	
Defiance, (not sold.)	
THREE YEARS OLD.	
Hardwick, by Orville, dam by Dick Andrews,	
out of Desdemona, by Sir Peter, (not sold.)	
Numskull, by X Y Z, out of the Juggler's	
dam. Mr. Ridsdale.	3
Chestnut Filly, by Amadis, dam by Cerberus,	
grandam, Barefoot's dam. Mr. Dickinson.	4

Lass; winner of the Tyro Stakes, at New-	
castle, and engaged in the Derby, 1827. Ld.	0.4
Bay Colt, by Grey Walton, dam by St.	35
George, Mr. Cayton	01

TWO YEARS OLD.

George. Mr. Cayton	31
YEARLINGS.	
Grey Colt, by Jonathan, engaged in the Foal	
Stakes, at Catterick, and Sapling, at Vork.	
in 1828. Lord Darlington.	320
Chestnut Colt, by Comus, out of Gonsalvi's	0.00
dam; engaged in the Catterick Foal Stakes,	
York Sapling, and Foal Stakes at Doncas-	
ter, 1828. Lord Darlington.	900
ton, to and and and and and and and and and and	200

-			
-	Grey Colt, by Viscount, dam by Haphazard,		
7	out of Web. Col. Broadhead.	300	
t	Grey Colt, by Abjer, dam, Lady Heron, by		
1	Marmion, out of Peterea, Dunsinane's dam.		
9	Mr. Powlett.	200	
	Brown Colt, by Abjer, dam by Dick Audrews,	1	
5	out of Desdemona, by Sir Peter. Mr. Dick-		
ó	inson.	15	
	Grey Filly, by Blacklock, out of the Delpini	1	
	Mare; engaged in a match at York Spring,		
•	1827, against Mr Ridsdale's b. I. Ridotto,		
1	by Reveller, dam by Walton, 200 sovs, h. ft.		
	Two years old Course; in the Produce	1	
,	Stakes, at York, and ditto. at Doncaster, in	- 1	
1	1829, (not sold.)	- 1	
	Grey Filly, by Viscount, out of Miss Gayton,		
,	by Lop, dam by Highflyer, out of the Yel-	- 1	
	low Mare, (not sold.)		
Į	BROOD MARES.		
,	Dick Andrews Mare, out of Desdemona, by Sir	150	
l	Peter; stinted to Whisker. Mr Payne	190	
1	Sister to Sultan, by Selim; stinted to Whis- ker or Lottery. Mr. Payne.	230	
ļ	Ellio da Puta Maro dom by Procinitate (the	230	
ı	Filho da Puta Mare, dam by Precipitate (the dam of Camerton and Cardinal Wolsey;)		
I	stinted to Waverley. Mr. Dickinson	40	
ļ	HALF BRED.	40	
i	Pecunia, the winner of many half bred stakes;		
į	has been hunted, and mistress of great	- 1	
Į	weight. Sir E. Mostyn	150	
	Bay Filly, 3 years old, by Ardrossan. Mr.	130	
	Fawcett	30	
1	Chestnut Colt, 2 years old, by Catton, dam by	00	
Į	Hambletonian. Mr. Croston	35	
١	Bay Filly, 2 years old, by Mozart. Mr Furness.	19	
١	YEARLINGS.		
	Chestnut Filly, by Viscount Ld. Londonderry.	18	
	Brown Colt, by Werner. Mr Wheatley	16	
	Bay Colt, by Werner. Mr Hall	20	
1	STALLIONS.	~	
ł	Dr. Johnson, by Walton. Major Healey	100	
-	Werner; nearly thorough bred, had great		
1	speed, and his stock are remarkably promis-		
-	ing for Cocktail stakes and hunters, not sold.		
1	, , , , , , , , , , , , , , , , , , , ,	1	

THE DEATH OF THE STAG.

To the Editor of the Annals of Sporting.

Sir,-Oblige an old correspondent, Mr. Editor. with the insertion of the following pretty poem from the "Forget me not," just published. It is, I think, "quite in your line." Yours, &c. L. W.

It is morning, and the sky, Like a royal canopy, Burns with crimson and with gold; And from out his cloudy hold Joyfully breaks forth the sun, While each thing he looks upon Seems bright, as if only born For the first glad hour of morn.

What sweet sound then pass'd along? 'Twas the skylark's earliest song: What soft breath is floating by? The wild rose's waking sigh, Breathing odours, as the gale Shakes away her dewy veil.

There are other sights than these, Other sounds are on the breeze: Hearken to the baying hound, Hearken to the bugle's sound; Horse tramp shout upon the ear Tell the hunters' band are near; Sweep they now across the plain,-'Sooth, it is a gallant train: Many a high-born dame is there; Dance their rich curls on the air, Catching many a golden hue, Catching many a pearl of dew.

Flush the colours on their cheek. Lovelier than the morning's break; Scour the young knights far and wide. As they would to battle ride; Finding, gallant chase, in thee Somewhat of war's mimicry.

Hark! the hunter's shouts declare They have found the red deer's lair; Rising from his fragrant sleep, Where a thousand wild flow'rs creep, With one sudden desp'rate spring Rushes forth the forest king, Like the lightning from the sky, Like the wind, when winds are high. Far. erc yet the train were near, Dash'd away the noble deer, As rejoicing in the speed Which might mock the Arab steed: As he pass'd the forest green, Well his pathway might be seen; Many a heavy oaken bough Bent before his antler'd brow: Shout and horn rung thro' the wood—Paused he not beside the flood; Foani and flake shone on its blue. As the gallant stag dash'd through. Long or ever mid day came, Wearied stopt each lovely dame In some green tree's shade, content But to hear the day's event. Still the stag held on his way, Careless through what toils it lay; Down deep in the tangled dell, Or air the steep rock's pinnacle; Stanch the steed, and bold the knight, That would follow such a flight. Of the morning's gallant train, Few are those who now remain. Wearily the brave stag drew His deep breath as on he flew; Heavily his glazed eye Seems to seek somewhere to die; All his failing strength is spent,-Now to gain one steep ascent, Up he toils—the beight is won, 'Tis the sea he looks upon. Yet upon the breeze are borne Coming sounds of shout and horn; The hunters gain the rock's steep crest-Starts he from his moment's rest, Proudly shakes his antler'd head, As though his defiance said, "Come, but your triumphs shall be vain"-The proud stag plunges in the main, Seeks and finds beneath the wave Safety, freedom, and the grave. L. E. L.

MISCELLANEOUS.

IMPROVEMENT OF THE NAVY.

The bill for the gradual extension and improvement of the Navy, passed the Senate on the 17th ult. by an increased majority. Viewing this subject as one of great public interest, and the bill now before us as the most important measure in relation to the Navy, since the passage of the act of 1816, for its gradual increase, we think the following synopsis of its provisions will be acceptable to our readers, although the bill was published at large some weeks

The first section of the bill sets apart a permanent fund of three millions of dollars, for the gradual improvement of the navy, [the sum of five hundred thousand dollars per annum, for six years, being appropriated] the fund thus set apart and appropriated to be applied to the following objects, all of which are designated in the bill itself. One of the first provisions of the bill relater to the establishment of DRY DOCKS, the want of which has hitherto subjected the country to great loss, expense and delay, in repairing and fitting out our public vessels. The bill provides for the construction of two dry docks, the one to the north, and the other to the south, of the Potomac river.

The next provision of the bill directs the construction of a MARINE RAIL WAY at Pensacola, for the repair of sloops of war and other vessels of an inferior class. Railways have, it is understood, been tributory to the improvement of the state and of used in Europe for vessels of this description with this city; after various surveys to ascertain the pracgreat advantage, combining in a great degree economy and despatch.

Another provision relates to the survey and improvement of Navy Yards, and the adoption of sci-

entific plans for these objects.

Another, and perhaps the most interesting feature of the bill, is that which authorizes the establishment of a NAVAL ACADEMY. This subject has of late years created much interest in the public along been known, that unless they could be con mind, and the want of such an establishment has vinced and excited, nothing could be hoped; and we been seriously felt by the country, and has certain-

ly been very much and very generally desired.

The great object of the bill, however, and that towards which by far the greater portion of the fund pear at this time to be in the design to construct a will be applied, is the collection and preservation of rail road from Baltimore, by the valley of the Poto-Ship Timber, for the future construction of ships, mac and Cumberland, to some point on the Ohio. of all the classes now used in the Navy of the United States. Without the immediate adoption of this policy, there are well founded apprehensions of a serious deficiency in the most valuable species of

ship timber, Live Oak.

From this brief statement, it will be seen how extremely important are the provisions of the bill, which has just passed the Senate. Should it meet year. the sanction of the House of Representatives, which we see no reason to doubt, very little will remain to be done to put the Navy on a footing of respectability suited to its great importance, and the feelings and expectations of the country. Indeed, except a revision of the rules for the government of the Navy, and some alterations in the organization of the establishment itself, nothing will remain to be done, for many years to come, for the further advancement of this valuable and interesting arm of the national defence. We feel ourselves called upon to repeat our convictions of the great value of the bill, and to congratulate the country on its suc-Nat. Int.

RECIPE.

(From the Indiana Whig.) CURE FOR THE BITE OF A SNAKE.

As the publick in the western country are much interested in knowing whatever may be a good remedy for the poison injected into the human flesh dling qualities. by the bite of a snake, I think it my duty to state a fact within my own knowledge. About the year 1815 or 1816, one of my children was bitten by a copperhead, on the inside of both ankles, nearly at the same instant. I instantly procured pulverized charcoal and mixed it with as much hogslard as made it adhere. I then made a plaster of it, and applied it to the wounds, renewing the plaster every twenty or thirty minutes, for ten or Iwelve hours, at the same time giving the child fresh milk in our yards, &c. to drink. This remedy had the desired effect, and very little pain was endured after the first application. Not more than five minutes elapsed from the time the child was bitten until the cure was applied, and in that short time, so violent was the advance of the poison, being near a blood vessel, that its tongue was much swollen, and green matter was vomited by the child; but the effect of the antidote was nearly as instantaneous as the poison. Several of my neighbours in the vicinity of Newport, near Blairs ville, in this county, can attest the above facts.

THIS PARMER.

BALTIMORE, FRIDAY, MARCH 2, 1827.

FRAIL ROAD FROM BALTIMORE TO THE OHIO .-After years of discussion, and attempts in every form, to excite a proper feeling on the subject of internal improvements which might be made conticability, and expositions to show the benefit of canals-it would seem that the publick mind is like ly to settle down upon rail roads, as the most economical and efficient mode of facilitating the intercourse between the Chesapeake and the Western waters. In our next, we shall present our readers with the bases of the calculations which have conducted our monied men to this conclusion. It has all can now assure our readers, that we have never seen the capitalists of this city more united, nor more sanguine, nor more liberally disposed, than they ap-

Chamber of the House of Delegales, Annapolis Feb. 9th, 1827.

SIR,-I have the honour to inform you, that you were, on the 30th ultimo, elected by the House of Delegates of Maryland, a Director on the part of the State, in the Bank of Baltimore, for the present I have the honour to be, sir,

Your obed't serv't,

GIDEON PEARCE, Clk. Ho. Del. of Md.

To J. S. SKINNER, Esq.

One of your correspondents asks, What wil prevent pigeons from injuring gardens? A hawk nailed to a post, in a conspicuous part of the garden, will keep pigeons and towls away. The wing

\$5'Tobacco.-Mr. Reuben N. Dorsey, of Anne Arundel county, sold this week, one hogshead a \$30 per hundred. Three of the same crop sold in November last, at \$22.50.

The above are stated merely as remarkable case of high prices to show what may be occasionally had for tobacco of the very finest quality that car be made. With respect, however, to the genera state of the market, it is fair to state, that a consi derable quantity of the lowest grade has been sold within a few weeks for about four dollars-whils little or nothing has been doing in tobacco of mid

Amount of inspections in the three State Ware houses for the last week, 143 hhds.

EVERGREEN THORNS, AND SUGAR MA PLES.

JOSHUA PIERCE, near George Town, requests us to say, that in a few days he will send to us for sale 10,000 Pyracantha, or Evergreen Thorns, at six dollar per thousand. Also, some handsome Sugar Maples Those trees are of good size, and would be ornamenta

3d mo., 2d, 1827. SINCLAIR & MOORE.

CONTENTS OF THIS NUMBER.

Of the specific application of Fermentative, and Fos sil or Saline Manures -- Address to the Dorcnester Agri cultural Society, at their second Fair and Exhibition Nov. 9th, 1826, by Dr. J. E. Mose—On Hemp, Wool and Tobacco—On pernicions and unprofitable Plants—Wool -Horticultural Items-Poetry, The Vow-The Wedding Sale of a Stud of English Horses-Poetry, The Death of the Stag—Improvement of the Navy—Cure for the bite of a Snake—Editorial, Rail Road from Bal-JAMES M. CORMICK. timore to the Ohio.

PRICES CURRENT.

1	PRICES C	UR	ДІ	TA	T.					
. }	ADTICLES		N H	OLI	ESA	LE.	_	RET	AIL	
Ì	ARTICLES.	per.	fro	m	i	0	fr	om	to)
	BEEF, Baltimore Prime,	bbj.	8	00	_	50				
-	BACON, and Hams,	lb.	ĺ	6		10		9		12
1	BEES-WAX, Am. yellow			29		30				50
ſ	COFFEE, Java,	-		16	1	64		20	1	22
	Havana,	-		14		16				20
f	COTTON, Louisiana, &c.	-		14		14				
	Georgia Upland,			10		12				
f	COTTON YARN, No. 10,	-		28						
	An advance of 1 cent			- 1						
-	cach number to No. 18.	-		- 1		- 1				
- [CANDLES, Mould,			13		15		16		18
-	Dipt,			11		13				16
d	CHEESE,	-		81		12		12		15
;	FEATHERS, Live,	_		29		30		37	٠	
	FISH, Herrings, Sus.	bbl.			2	50				
ı	Shad, trimmed,	. ~~	5	50		00		- į		
1	FLAXSEED,	hush		90	1	00		- 1		
	FLOUR, Superfine, city,	bbl.		20	5 3	75		- 1		
	Fine,	-	5	00				- }		
1	Susquehanna, superfi.		E	VV.			,		21021	e e
1	GUNPOWDER, Balti.	25 lb	5	00		E 4	5	50		
-	GRAIN, Ind. corn, yellow	bush		53		54				
ı	Wheat Family Flags	_	1	53	,	54				
-	Wheat, Family Flour,	-	1	10	1	20	~			
	do. Lawler, & Rcd,			00	1	10				
1	do. Rcd, Susque	-	1	70	-1	10				
	Rye,		,	10	1	75				
	Barley, Eastern	-	1	90	1	20 00		1	3	
	Do. country	, , ·	e	25	6	50	-	00		
f	Clover Secd, Red	bush	6	87	0	20	1	00		
ſ	Ruta Baga Sced,	lb.	3	50				00		
-1		hush	1	25			1	50		
t	Mangel Wurtzet Seed,		4	00			5	00		
ı	Timothy Seed,	-	4	45		47	J	50		
Į	Oats,		,	38		42 1	2	00		
ì	Beans White,	ton	250		260		~	VU		
	HEMP, Russia, clean, .	ton	120		200					
1	Do. Country	115	120	18	200			25		
1	HOPS, 1st sort, (1826)	lb .		S1/2		10		12		
,	HOGS' LARD,	116		61		61		1~		
1	LEAD, Pig Bac	1b.		7 1		S				
S	LEATHER, Soal, best,	_		21		23		32		
	MOLASSES, sugar-house	gal.				50				75
	Havana, 1st qual	5	Ì	31		32		371		
	NAILS, 6a20d	lb.		63				9		
3	NAVAL STORES, Tar,	bbl.	1	50	1 6	24				
i	Pitch	-	1	75						
ì	Turpentine, Soft,		2	50	2	75				
	Oll., Whale, common, .	gal.		\$3		34		40		
4	Spermaceti, winter .	<u> </u>		70		75		88		
ŗ	PORK Baltimore Mess,	bbl	11	50		00				
1	do Prime,	-	9	00	9	50				
í	DI LOTED price	ton.	3	25						
•	ground,	bbl.	1	50						
ł	RICF, fresh,	tb.		S1/2		34		5		22
	SOAP. Baltimore White,			12		14		18		20
t	Brown and yellow,			51	1	8		10		12
-	WHISKEY, tst proof,	gal.		34] .	35	,	0.0		50
	PEACH BRANDY, 4th pr			75	1	00	1	25		
•	APP' E BRANDY, 1st pr		10	00	10	35	1.4	50	1.5	
	SUGARS, Havana White,		13	00	1	50	14		15	
-	do. Brown,	-	10	00		50	10		1.1	
-	Louisiana,	111	S	00	9	10	11)	20	11	22
	Loaf,	lb.		19		22	1			200
0	SPICES, Cloves,			70		12	1	12		18
,	Ginger, Ground,	_				12		25		.0
S	Pepper,	hunt		45		50		75		
	SALT, St. Ubcs,	bush		54	1	00		75		
1	Liverpool ground	elb.	8	50				12		
	SHOT, Balt. all sizes, . WINES, Madeira, L. P.	1 .	2	50	3	00	3	50	4	
		gai.	1	10	1	15	!	50		00
-	do. Sicily,			05	i	10	1	50	1	75
	Lisbon,	mal	1	65	i	55	2	50	1	-
-	"Port, first quality, WOOL, Merino, full bl'd	gal.	1	30	-	35)			
	1	10.		20		2:			h'c	
,	Common, Country,	-	}	18		22	}	sh bacl	cep	
				20	(25		fron		
1	SKIDDERS OF FILLER.						- 7			
	Skinners' or Pulled,	1					_			
1	Printed every Friday, at	4.			-	-;-				=

SKINNER, Editor, by John D. Toy, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

AGRICULTURAL MEMORANDA.

Agriculture of the Ancient Greeks.

It is remarkable, that in the time of Hesiod, who chinery, does not appear to have been materially of Agriculture. different to what they are in the same countries at the present day. Property in land was recognized, the same grains cultivated, and the same domestic animals reared and employed; some led a wander- Husbandry of the Ancients observes, though the opeing life and dwelt in tents, like the Arabs; and others and commerce like the fixed nations.

his poem, are not merely details of agricultural la bours, but comprise directions for the whole busi-pears from the directions given them by this most at-the cultivation of his fields in his youth; but he country. The poem tentive farmer. Those great men had both houses in ought to think long before he builds. He ought not sets out by describing the state of the world, past the town and villas in the country; and as they resid- to think about planting, but he ought to do it. When and present, for the purpose of exemplifying the ed frequently in town, the management of their councidition of human nature. This condition entails try affairs was committed to a bailiff, or overseer. on man the necessity of exertion, to preserve the Now their attention to the culture of their lands.

Men should plant in their youth, and not build till goods of life, and leaves him no alternative but and to every other branch of husbandry, appear their fields are planted; and even then "ought not honest industry or unjust violence, of which the from the directions given them how to behave upon to be in a hurry, but take time to consider. It is good and evil consequences are respectively illus- their arrival from the city at their villus. "After best, according to the proverh, to profit by the folly trated. Dissention and emulation are represented as two principles actively at work: much is said of the corruption of the judges, and virtue and industry strongly recommended. The poet proceeds to the next. When he has considered in what manner describe the prognostics of the seasons of agriculties and gives directions for requiring the farm and gives directions for requiring the farm the city at their villas. "After best, according to the provern, to proint by the folly of others." (Plin. Nat. Hist lib 18, cap. 5.)

Proportion the expense of building to the rent, of others." (Plin. Nat. Hist lib 18, cap. 5.)

Proportion the expense of building to the rent, of the profits arising from the farm describe the prognostics of the seasons of agriculties and fortune of the master, which, immoderately and gives directions for requiring the landlord, says Cato, "has come to the villa, and of others." (Plin. Nat. Hist lib 18, cap. 5.)

Proportion the expense of building to the rent, or the profits arising from the farm and except the profits arising from the farm and except the profits arising from the farm and except the profits arising from the farm and except the profits arising from the farm.—"An edifficult to support the profits arising from the farm and except the profits arising from the expense of building to the rent, or the profits arising from the expense of building to the rent, or the profits arising from the expense of building to the rent, or the profits arising from the expense of building to the rent, or the profits arising from the expense of building to the rent, or the profits arising from the expense of building to the rent, or the profits arising from the expense of building to the rent, or the profits arising from the expense of building to the rent, or the profits arising from the expense of building to the rent, or the profits arising from the expense of building to the rent, or the profits arising from the expense of building to the rent, or the profits arising from the profits arising from the tural labour, and gives directions for providing a house, wife, slaves, and two steers; how and when to cut down timber; to construct carts and ploughs, and make clothes and shoes; when to sow and reap, dress the vine, and make wine. He then treats of navigation, and gives cautions against risking every thing in one voyage; he describes the fit seasons for the coasting trade, and advises taking great care of these, he ought to take an account of the work- same kinds as now in use; and to the common sorts the vessel at such times as she is not in use, and men, and the working days. If a sufficiency of of poultry they added thrushes, larks, peacocks, and banging up the rudder and other tackle in the work does not appear, the bailiff will say that he smoke of the chimney. He concludes the "works" was very diligent, but the servants were not well; with various superstitious observances to family that there were violent storms; that the slaves had matters. The days contain a division of the lunar month, into holy, auspicious, inauspicious, mixed, public work. When he has given these and many delicate birds were the most extensively reared .and intermediary days, the latter being such as are other excuses, call him again to the account of the entitled to no particular observance. Manures were applied; in Homer, an old king is found manuring his fields with his own hands; and the invention of soil produces the same effects as manure. Clay, he made, and the servants' clothes mended. On holiin sheaves; carted to a well prepared threshing lar (bread corn, maize,) pounded; all things made floor, in an airy situation, where it might be thresh-clean. When the servants have been sick, the ored and fanned by the wind, as is still practised in dinary quantity of meat ought not to have been modern Greece, Italy and other countries of the given them. When he is fully satisfied in all these continent. Afterwards it was laid up in bins, or things, and has given orders that the work which chests, or granaries, and taken out, as wanted by remains be finished, he should inspect the bailiff's the family, to be pounded in mortars, or quern accounts; his account of money, corn, fodder, wine, mills, into meal. Thorns, and other plants for oil; what has been sold; whether there is good sehedges, were procured from the woods, as we find curity for what is owing. He should inspect the to plant a row of quick sets.

The most desirable age of a ploughman, says He siod, is forty: he must be well fed, go naked in sum eye wander about while ploughing, but cut a straight furrow; nor be absent in mind when sow-ing the seed, lest he saw the same furrow twice, seller, not a buyer." (Cat. cap. 2.)

The vine is to be pruned and staked in due season; Columella and Palladius agree in stating, that the may admire a large farm, but cultivate a small

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the vintage made in fine weather, and the grapes best situation of lands, is not so much on a level as

Of the Agriculture of the Romans.

In the time of Cato the Consor, the author of The d commerce like the fixed nations.

The works of Hesiod, which constitute a part of improvement, and were very careful and exact in the states that the best lands in Italy are so situated. management of all their country affairs. This apdone, and what not; next day he ought to call the undertaken, it is commonly more difficult to supbailiff, and inquire what of the work is done, and what remains; whether the labouring is far enough advanced for the season, and whether the things that remain might have been finished; and what is years' rents or profits of the farm in which it is done about the wine, corn, and all other things, placed " (Pal., lib. 1, lit. 8.) When he has made himself acquainted with all ron away, and that they were employed in some accounts; his account of money, corn, fodder, wine, n this manner. He should give orders concerning the works he would have executed, and the things be is inclined to let, and leave his orders in writing. mer, rise and go to work very early, and have a He should inspect his flocks; make a sale; sell the sort of annual feast, proper rest, and good food and superfluous oil, wine, and corn. If they are giving clothing: coats of kid skins, worsted socks, and half a proper price, sell the old oxen, the refuse of the cating that the extent of farms ought to be kept in boots of ox hides in winter. He must not let his cattle and sheep, wool, hides, the old carts, old iron their proper bounds. Pliny and Virgil consider

left a few days to dry, and then carried to the press. to make the water stagnate, nor so steep as to make The productions of Grecian agriculture, were sheep, goats, swine, cattle, mules, asses, and horses, buried in the bottom of a valley; nor so exposed as the grains and legumes at present in cultivation; to feel the violence of the storms and heats: but and the vine, fig, olive, apple, date, and other fruits. that in all these, a mediocrity is best; champaign wrote upon agriculture one thousand years before It does not appear that artificial grasses, or herbage lands exposed, and whose declivity affords the rain the Christian era, the state of agriculture and other plants, were in use; but recourse was had, in times a free passage; or a hill whose sides gently decline; arts in the eastern countries, and even of its ma- of scarcity, to the mistletoe and the cytisus.—Ency. or a valley not too much confined, and into which the air has easy access; or a mountain, defended by a higher top, and thereby secured from the winds that are most pernicious; or if high and rugged, at the same time covered with trees and grass. (Col. lib. 2, cap. 9. Pal. lib. 1, cap. 5.) The situation of rations of agriculture were generally performed by lands which Cato reckons the best, is that at the dwelt in towns or cities, and pursued agriculture servants, yet the great men among the Romans con- foot of a mountain with a south exposure. Varro

Cato says, "A landholder should apply himself to

Of animals reared, the quadrupeds were of the work does not appear, the bailiff will say that he was very diligent, but the servants were not well; and fish. The care of the poultry was chiefly comwas chiefly near Rome and Naples where the most When Rome was at her greatest height in the time work and the workmen. When there have been of the Cæsars, the minor articles of the farm prostorms, inquire for how many days, and consider duce bore a very high price. Varro informs us, what work might be done in rain: casks ought to that "fat hirds, such as thrushes, black birds, &c. manures is ascribed by Pfiny to the Grecian king have been mended and cleaned, the villa cleaned, were sold at two shillings, and sometimes five thou-Augeas. Theophrastus enumerates six different corn carried away, dung carried out, dung hills sand of them were sold in a year from one farm. species of manures; and adds, that a mixture of the made, seed cleaned, old ropes mended, new ones (Var. lib. 3, cap. 2) Pea-fowls were sold at 11 13s. 4d.; an egg was sold at 3s 4d. A farm sometimes says, should be mixed with sand, and sand with days, old ditches may have been scoured, a highway produced as many of these fowls as to sell at 500%. Var. lib. 3, cap. 6.) A pair of fine doves were cumclay. The seed was sown by hand, and covered repaired, briars cut, the garden digged, meadows (Var. lib. 3, cap. 6.) A pair of fine doves were cumwith a rake. Corn was reaped with a sickle; bound cleared from weeds, twigs bound up, thorns pulled, monly of the same price with a peacock, 11. 184 4d. 184 and 194 and 194 are the price with a peacock, 11. 184 and 194 are the price with a peacock of the price with a peacock, 11. 184 and 194 are the peacock, 11. 184 and 194 are the peacock, 11. 184 and 194 are the peacock, 11. 184 and 194 are the peacock, 11. 184 and 194 are the peacock, 11. 184 and 194 are the peacock, very pretty they were much higher in the price, no less than 8l. 6s. 8d. L. Anius, a Roman knight, refused to sell a pair under 13l. 6s. 8d. (Var. lib. 3, cap 7.) Some kinds of fishes were highly valued among the Romans in the time of Varro. Hortensius, whom Varro used to visit, would have sooner parted with a pair of his best coach mules, than with a hearded mullet. (Var. lib 3, cap. 17.) Herrius' fish ponds, on account of the quantity of fish, were sold at 33,333l. 6s. 8d. (Plin. Nat. His. lib. 9. from a passage in Homer, in which he represents things that remain; buy what is wanting for the were sold at 33,3331. 6s. 8d. (Plin. Nat. His. lib. 9. Ulysses as finding Laertes digging and preparing year, and let out what is necessary to be employed captured by the same price.— (Id. lib. 9, cap. 54.)

> Of the General Maxims of farm management among the Romans.

land ought to be weaker than the husbandman," were maxims to the same effect.

The importance of the master's presence in every operation of farming was inculcated by many maxims: "Whoever would buy a field ought to sell his ture," says Varro, "has pointed out to us two paths, be easily comprchended, when it is understood that house, lest he delight more in the town than in the country," was a saying of Mago. "Wherever the eyes of the master most frequently approach," says Columella. "there is the greatest increase." It is maxims. Their posterity, for the most part, imijustly remarked by the Rev. A. Dickson, that though "every person knows that the presence and attention of the master is of great importance in every business; yet every person does not know, that in no business are they so important as in farming."—(His. of the An i, 206.

That more is to be gained by cultivating a small spot well than a large space indifferently, is illustrated by many sayings and stories. "A vine-dresser Pliny mentions a freedman, who having much larger crops than his neighbours, was accused of witch-craft and brought to trial. He produced in the forum a stout daughter, and his excellently conhis oxen, and said, "These, Romans, are my charms." He was acquitted. Nat. His. 18, 6.)

Ostentatious, or profuse culture is not less con-

demned than imperfect culture. "The ancients." says Pliny, "assert that nothing turns to less account than to give land a great deal of culture."-"To cultivate well is necessary, to cultivate in an extraordinary manner is hurtful." "In what manner then," he asks, "are lands to be cultivated to the best advantage?" To this, he answers, "in the oheanest manner, if it is good;" or "by good, bad things," which, he says, were the words the ancients used to express this maxim.

Industry is recommended by numerous maxims. husbandman who buys what his farm can produce to him: a bad master of a family, who does in the day time what he may do at night, except in the time of a storm: a worse, who does on common days what is lawful on holidays: the worst of all, who on a good day is employed more within doors than in the fields." ($\mathcal{N}at$ His. 18, 6.)

Knowledge in matters relative to agriculture is in-culcated by all the rustic authors. "Whosoever," says Columella, "would be perfect in this science, and plants; must not be ignorant of the various and what is repugnant to each; he must know exactly the succession of the seasons, and the nature of each, lest, beginning his work when showers and man." (Col. lib. 1, prof) To these things men-tioned by Columella, Virgil adds several others.— Another result of this inquiry was, that all "Before we plough a field to which we are stran- hops are in some years of scarcity, from the pregers," says he, "we must be careful to attain a cariousness of the crop, very high in price, yet the knowledge of the winds, from what points they blow average price cannot be estimated above 15 cents at the particular seasons, and when, and from per pound, and in some years they have been as whence, they are most violent; the nature of the low as 8 cents per pound. A gentleman, who was climate, which in different places is very different; formerly the principal brewer in this city, stated, All the foregoing can be had in Philadelphia on the customs of our forefathers, the customs of the that being possessed of a farm in the neighbour- application to David Hogan, bookseller, No. 249

And the Carthaginian saying, "that the country; the qualities of the different soils; and hood, he planted a small lot of hops; which, howproduces and rejects." (Virg. Georg. 1, l. 1.)

The making experiments, is a thing very strongly recommended to the farmer by our authors. "Nawhich lead to the knowledge of agriculture, viz: experience and imitation. The ancient husbandmen, by making experiments, have established many tate them; we ought to do both, imitate others and make experiments ourselves, not directed by chance,

but reason." (Var lib. 1, cap. 18.)

Product.-A hundred fold, Varro informs us, was reaped about Garada in Syria, and Byzacium in Africa. Pliny adds, that from the last place, there was sent to Augustus by his factor, nearly 400 stalks, all from one grain; and to Nero, 340 stalks. He says he has seen the soil of this field, "which had two daughters and a vineyard; when his eldest when dry the stoutest oxen cannot plough; but afdaughter was married, he gave her a third of his ter rain I have seen it opened up by a share, drawn vineyard for a portion; notwithstanding which, he by a wretched ass on the one side, and an old wohad the same quantity of fruit as formerly. When man on the other." (Nat. His. cap. 5.) The returns his youngest daughter was married he gave her the in Italy were much less extraordinary. Varro says, half of what remained, and still the produce of his there are sown on a jugerum, four modii (pecks) of vineyard was not diminished." (Col. lib. iv, cap. 3.) beans, five of wheat, six of barley, and ten of far beans, five of wheat, six of barley, and ten of far (maize;) more or less, as the soil is rich or poor. The produce is in some places ten after one, but in others, as in Tuscany, fifteen after one." (Lib 1, tish writers on the subject of hops, I enclose you cap. 44.) This, in round numbers, is at the rate of for publication an extract from the 1st volume of structed iron spades, shears, and other tools, with twenty-one and thirty-two bushels an English acre. On the excellent lands of Leontinum, in Sicily, the produce, according to Cicero, was no more than from eight to ten for one. In Columella's time, when agriculture had declined, it was still less.

[Loudon's Ency. of Agriculture.

HOPS.

MR. SKINNER,

While too much praise cannot be bestowed upon the attempt to introduce among our farmers new objects of attention and cultivation, yet on the other hand, care ought to be taken in our recom-mendations, not to hold out delusive hopes. The "The ancients," says Pliny, "considered him a bad foregoing reflection occurred on reading some remarks in your number of Feb. 16th, under the head of "New objects for the attention of Maryland and Southern farmers," which served as an introduction to an article "on the cultivation of hops." In those remarks gloomy anticipations with respect to tobacco planters and the growers of grain, in states cultivated by the expensive labour of slaves, were freely, and I fear with too much truth, indulged; but in seeking for substitutes, we shall fall into an egregious error, if we suppose that hops can be remust be well acquainted with the qualities of soils sorted to in any considerable extent. Since the publication of the above mentioned article on hops, climates, that so he may know what is agreeable, the writer of these observations has made inquiries respecting the consumption of that article in Baltimore; and the result is, that all the brewers in town do not probably use more than 40,000 lbs. a year wind are just at hand, his labour shall be lost. He a quantity much less than half of what might be must be capable to observe exactly the present tem-raised by any one out of many Prince George's per of the sky and seasons; for these are not always planters, if as much labour were devoted to hops regular, nor in every year does the summer and as is allotted to his tobacco crop, provided hirelings winter bring the same kind of weather; nor is the could be got at the season of harvest in sufficient spring always rainy, and the autumn wet. To know numbers; which, however, would be utterly impossi these things before they happen, without a very ble except in the vicinity of cities. A very few indigond capacity, and the greatest care to acquire viduals, thus situated, might therefore glut the marknowledge, is, in my opinion, in the power of no ket. It can, therefore, only be looked to as an ob-

Another result of this inquiry was, that although

what are the crops that each country and climate ever, after a year or two, he ceased to guther, as he found that the expense of hirelings to pick them, amounted to more than the price of the same quantity of hops brought from New England. This can a smart, active hand, accustomed to pick hops, cannot gather more than enough, when dried, to make 15 lbs. per day-and the same hand, without experience, could not pick more than half that quantity. After the wages of hirelings, and the subsequent expense of curing the hops by fire (an operation of great nicety,) are deducted from the price of a day's gathering of hops, but little surplus will he left to pay for the expense of previous cul-

The public, however, are much indebted to you for giving the necessary information respecting the cultivation of hops; for I agree entirely with you, that "your notice of the subject will not have been without its use, if it only lead each farmer and planter to cultivate a dozen or two of vines to give hops enough for his own use-in making cheap and wholesome beer, to be drunk without stint, by all the family, in lieu of whiskey, which is selfishly provided for his own exclusive use and that of his male. friends."

the Edinburgh Encyclopædia, p. 301-and am

With much esteem and respect,

Your humble serv't,

A CONSTANT READER.

"Hops are a necessary article in brewing, but not advantageous in an agricultural point of view; because much manure is abstracted by them, while little or none is returned. They are an uncertain article of growth, often yielding large profits to the cultivator, and as often making an imperfect return, barely sufficient to defray the expenses of labour. In fact, hops are exposed to many more diseases than any other plant with which we are acquainted: and the trade affords a greater room for speculation than any other exercised within the British do-

"There can be no certain report made of the produce of the hop plantations: because in some years the growth is less than two hundred weight per acre, and in others it is fourteen or fifteen. The average may be seven or eight." [Edin. Enc.

Extracts from the unpublished agricultural correspondenec of G. W. JEFFRYS, of North Carolina, author of an excellent work, in duodccimo, entitled, Agricultural Essays.

AGRICULTURAL LIBRARY.

Philadelphia, Oct. 13, 1316.

SIR-I have the pleasure to acknowledge the receipt of your letter of the 6th inst. and in answer to your request respecting an agricultural library, I have annexed a list of such books as I think every

such society ought to possess,	
Domestic Encyclopedia, Philad. ed.	\$15. 5 v.
Archives of Useful Knowledge,	8. 3 v.
Bordley's Notes on Husbandry,	2.50 1 v.
Mem. Philad. Agricultural Society,	9. 3 v.
Trans. Society Arts, N. York, about	6. 3 v.
McMahon's Gardener,	5. 1 v.
Darwin's Phytologia,	2.50 1 v.
Dickson's Agriculture, 4to. about -	25. 2 v.
Tessier on Sheep,	1.50 1 v.
Bard on ditto,	.50 1 v.
Trans. Massachusetts Agricul. Socie	
Bakewell on Wool,	.75

High street. I do not think that the works of and apple juice ferment separately; have plenty of Marshall or Young, or the Communications to the the latter, rack and spirit as before; and at a future Board of Agriculture of England, will be of the racking mix them to suit the palate. After it is of a least benefit to you; as they treat of local affairs proper age, fine it with new milk; the last method principally, and are, moreover, very dear. I can be above I have written with diffinot recommend any book on the diseases of cattle. Culty at near eighty-two years of age, I have read every one that ever was published in English, and am disgusted with the absurdity and inhumanity of the practice they advise. In the northern states our cattle are, fortunately, healthy, if justice be done to them. In the southern states, the chief diseases they are subject to arise from shameful neglect and poverty; and until a planter makes up his mind to house his cattle in storms, and supply them with plenty of wholesome juicy food, it is better that he should not have medical books, as he will pester the animal with drenches instead of good hay, pumpkins, turnips, potatoes, and corn meal. In the winter of 1813, I gave a course of lectures on the diseases of domestic animals, with the hope of exciting the attention of the medical gentlemen to the subject; and I now send you the introductory lecture to that course. I will gladly receive any facts on the subject, as I hope the trustees of the University will establish a professorship of Veterinary Medicine, when I will furnish the person appointed, if desired, with the result of my researches on the subject.

Wishing you all imaginable success in your agri

cultural operations,

I remain very respectfully, your friend, JAMES MEASE.

MR. G. W. JEFFRYS.

SOILING CATTLE.

Philadelphia, June 26, 1817.

SIR-If you soil cattle, attend to the directions in the Domestic Encyclopedia: oats and corn, cut green will not fatten cattle; but will keep cows in milk. Your dependence must be on white and red clover, orchard grass, Guinca grass, and avena clatior .-Timothy must be left for hay. Herd grass may also be added to the list for soiling. If you soil, much will depend upon rigid punctuality, cleanli ness, daily carding the sides with a wool card; confiding the cattle to one person; and not over feed-Wishing you success,

I remain respectfully yours, JAMES MEASE.

MR. G. W. JEFFRYS.

P. S. Your cattle should regularly have a handful of salt once a week; and if soiled must be kept under sheds, and each in their own stall.

WINE MAKING.

LETTER FROM THE VENERABLE JOSEPH COOPER. Cooper's Point, Aug. 9th, 1817.

FRIEND JEFFRYS.

I received your letter of 20th May last, but from age and its consequent infirmities, have been unable ders it injurious to scythes and sickles. It would result. to answer its requests; therefore, must refer you to Dr. Mease's Archives of Useful Knowledge, except as yet, attracted much attention. an improvement I have lately discovered of making the grape wine without sugar or water, which is previous to the fermentation of either, put the liquor clear froth, check the fermentation by putting the bung in slack and tightening it as it will bear; rack it by letting it dribble slowly into a tub, to flatten it; add about a sixth part of good apple or French brandy; put it into a clean cask, and bung it slack. I generally rack it off three or four times the first winter, burning a sulphur match in the cask at each horses' manes, fleeces of sheep, &c.; and the plant makes then \$2,500,000. If this allowance is thought racking except the first.

The last experiment I tried was to let the grape before the fruit is formed.

And remain yours, &c. JOSEPH COOPER.

NOTICES OF PERNICIOUS AND UNPRO-FITABLE PLANTS.

Which infest the Farms in Chester county, Penn.

(Continued from page 398.)

No. 2. .

TETRANDRIA .- MONOGYNIA.

Cephalanthus occidentalis. Button bush. Pond

This shrub prevails in swampy meadows, and along rivulcts, so as to be a good deal troublesome to the farmer, in many places. It is to be kept down by careful grubbing and draining.

Dipsacus sylvestris Wild teasel.

This foreigner was introduced into this county some forty or fifty years ago, and is gradually extending itself along our field sides. It is altogether a worthless plant, and calculated to be a nuisance, if neglected, but being a biennial, it may readily be subdued by proper care.

Plantago major. Common, or Great plantain.

Way-bread.

A foreigner, and a worthless plant to the agriculturist; but as it is chiefly confined to path ways and lots about bouses, it is not found to be very troublesome or injurious.

Hantago lanceolata. English plantain. Ripple-

grass. Rib-wort. Buck-born plantain.

This, also, is a foreigner, and becoming very prevalent in our fields; so much so, that it is difficult to procure red clover seed entirely clear of it, in this county. It yields such an abundance of seed, that where it has once got possession of the soil, it seems almost impossible to get rid of it. It is, however, by no means a wortbless plant; for horses, cattle and sheep are very fond of it, and it has even been cultivated by some farmers; but its presence is generally objected to.

Symplocarpus fætida. Swamp cabbage. Skunk-

Frequent in our low, wet meadows, and altoge ther worthless; but not difficult to extirpate where pains are taken.

PENTANDRIA .- MONOGYNIA.

Lithospermum arvense. Stone-weed, Corn grom-

A worthless foreigner, which has become naturalized in our grass and grain fields The mature plant seems to contain siliceous matter, which ren- contemplated, can scarcely fail to be the ultimate probably not be difficult to subdue; but it has not,

Echium vulgare. Viper's bugloss. Blue devils. This vile foreign weed is very rare in Chester better than any I have heretofore made, when of county; but it is frequent in the neighbouring parts of it is pine barrens, sand hills, and other pine lands the same age. At the first trial I added about one of Maryland and Delaware, and will probably find —amounting, therefore, to eight millions. Out of this third part of the sweetest unfermented apple juice; its way among us ere long, if care be not taken to we must deduct about three millions of acres for the keep it out. It is considered a great nuisance into a clean vessel for fermentation, filling it frequently to work out the fifth. As soon as it emits a conquer: it therefore behoves the farmers sedulously to guard against its further progress.

woodlands, and along fences, field-sides, &c. bur-like fruit is particularly troublesome, by matting the average value is not more than fifty cents. I his ought to be kept down by cutting or pulling it up, too small, doubling it will make no great difference before the fruit is formed.

Datura tatula. Jimson, or James-town weed. Thorn-apples.

A well known fetid weed, possessed of active be done, as it does not incline to spread over the farm. The D. stramonium, which some botanists consider as a distinct species, though it is certainly allied to the foregoing, has not been observed in Chester county

Verbascum thapsus. Common mullcin.

This is a foreigner, but completely naturalized, and very abundant on all farms where the occupant is not careful to keep it down. This may rea tily he done by attention and perseverance in pulling it out by the roots every year, before the seeds are matured; and none but slovenly farmers will ever permit so worthless a plant to occupy their grounds.

Verbascum blattaria. Moth mullein. A worthless weed, and frequent in old fields and pastures; but not very troublesome, and has not at-

tracted much attention.

(To be continued.)

HORTICULTURE.

CULTIVATION OF THE GRAPE.

MR. SKINNER, Pendleton, Feb 17, 1827.

In obedience to the resolution of the United Agricultural Society of South Carolina, I herewith enclose for publication in the American Farmer, a copy of an original communication read before that society at their meeting in December last, on the "cultivation of the grape," by Mr. N. Herbemont, of Columbia, S. Carolina.

JOSEPH N. WHITNER, Sec'ru-

Columbia, Nov. 20, 1826.

The cultivation of the grape having been here lately the subject of much conversation, the great praise which my friends have bestowed on my wine, and the high sense I entertain of the vast benefits this country might derive from it, induced me to make a few calculations, to ascertain the most probable advantages that would be effected by spirited exertions in the cultivation of our pine lands in this valuable article. In doing this, it is proper to estimate the present value of these lands and that which they will have acquired by the plan proposed, not after a given number of years; for the time required to produce the full effect depends on so many circumstances, that it cannot be calculated with any degree of certainty, but must depend on the degree of our exertions, and the vigour with which the execution of the plan may be commenced and per-severed in. However this may be, the success here

We may assume for the above purpose, (and great accuracy is not of material importance in this case.) that the state of South Carolina contains sixteen millions of acres. It is thought that nearly one half water-courses and our rich swamps bordering upon Five millions are then left of poor sand hills and Rochelia Virginiana, Torrey. Virginian scorpion pine barrens. The present value of this land cannot be precisely ascertained; but it is well known This is an obnoxious weed, frequent in open that thousands of acres can be bought at from ten coollands, and along fences, field-sides, &c. The

The value of lands planted in vines in Europe, the only ones to be expected from the adoption of a has been made, and if not, whether it may be exparticularly in France, is known to be very great, system calculated to produce the result. They are per pected at the present session. May I ask the favour viz: from \$500 to \$5000 per acre; and a vineyard of cuniary only, and they will necessarily be accompatof a note in reply, with leave to communicate it for seven acres is known to have been sold, not long nied by an immense augmentation of physical powthe satisfaction of those who take an interest in the since, for considerably more than the latter price. Experiments in Georgia, in this state, and clsewhere, have shown, that we can reasonably calculate on an average crop of 300 gallons of wine per congenial to the vine, and, like the same soils in the acre-and this is more within the control of the south of Europe, where health reigns perennial, cultivator than is generally supposed.

From these premises, it must be thought ex-

tremely low to estimate lands planted here in vines

and in a bearing state, at \$500 per acre.

Surely this will not be considered extravagant. when the clear yearly profit of such an acre may be worth as much as the fee simple is here estimated. Supposing one acre only for every fifty to be in vines; the value of the lands in this culture will then be 100,000 acres at \$500 per acre-\$50,000,000. But can we suppose that proprietors of such lands, having experienced the value of such cultivation, would be satisfied with only one acre in fifty. We must suppose double the quantity a very moderate estimate, which will make the land thus cultivated, be worth for 200,000 acres of it, \$100,000,000.

It cannot be supposed that the remaining four million eight hundred thousand acres, a great pro portion of which is susceptible of so much increas ed value, can possibly remain at the former price of fifty cents per acre; and under the contemplated circumstances, an increase to at least \$2 per acre must be a very moderate calculation.

Therefore, 200,000 acres in vines, at

\$100,000,000 \$500, make 4,800,000 uncultivated, or cultivated in any thing else, at \$2,

Total value of pine lands in the state at that time. Former, or present value, deducted,

\$109,000,000 2.500,000

9.000,000

Leaves a difference, or increased value, of \$106,500,000

yearly income produced by the land.

We have assumed an average crop of 300 gallons per acre. Let us even reduce this to one half, 150 gallons at \$1.00-150 dollars per acre will make for anticipations here above enumerated, must take place according to the adequateness of the means.

I am. gentlemen very some of the means. more than two thousand gallons per acre; this, how-ever, is rare, and must be on land of very great fertility.) I allow nothing for the produce of the rest of the land, although this may be very great, as probably a few other valuable articles will keep pace with the culture of the vine-such as silk; which may be raised in the mean time in very considerable quantities, without interfering at all with the principal object; for these two, viz: wine and silk, do very well together.

It must be remembered that the above need not in the least, or in a very small degree, affect the cultivation of the present staple products of this state; and that what is here proposed, is purely to be an increased value caused by the cultivation of new articles in a soil, not otherwise available-and this to be done, or at least begun, chiefly by suita-

ble persons brought from Europe

There France, Italy and Germany can yield to us thousands of honest, industrious, and willing

cultivators.

Let not the above be too hastily pronounced visionary. Let us remember that we have never been The Hon. RICHARD RUSH, inferior to Europe in any of our undertakings; we have even exceeded them in several, and the produce of the vineyards in France alone exceeds the

er in the state, and consequent weight in the scales subject? of the Union of the states, and respectability abroad. "Those extensive tracts of sandy soil are found yield those mild tonic wines so friendly to health, temperance and prosperity." Our moral condition will then be much improved, and the advantages resulting from this are truly incalculable.

With all these prospects before us, shall we remain in passive indolence when we have so many have not been even hinted at in this paper?

let the thing take its own course—let it rest on individual exertions; and many plausible and fashionable arguments will be used, to show that govern ments ought not to meddle with things of this nature. To this I answer, that if the prosperity of ments, I do not know what governments are instituted for. Consult history, the best guide of nagovernments of Europe had always acted under the gress at an early period of the next session. mote it. It is a most valuable article; but its importance is not to be compared with that principally 1 remain, with great respect, your o recommended here and with which it is easily, I was going to say naturally, connected.

If it be thought that we have somewhat travelled through some of the regions of Utopia, it will be readily admitted, if it be merely meant that the This amount, then, is the bare increase in the efforts which may be made towards the attainment value of the land Now let us see the amount of of the result here anticipated, can be literally expected. We must admit that a variety of circum-

stances will necessarily change them.

In this, as in every thing else, the effect must be proportionate to the cause; and something like the

Your obed't serv't,

N. HERBEMONT.

THE SILK CULTURE.

America, to which the publick attention has been attracted by Mr. Miner's resolutions; forbids us to omit the following correspondence It will be referred to, hereafter, as belonging to the history of an important branch of national industry. A good deal of wholesome excitement already exists on the subject. Great pains have been taken by Mr. Rush Italian mulberry seed were distributed by Mr Miner during the late session of Congress, among the gen tlemen from the south and west, and strong hopes are entertained, that in twenty years we shall export silk.]

House of Representatives, Feb. 13, 1827.

Secretary of the Treasury.

With the most perfect respect, I am your obedient servant, CHARLES MINER.

Treasury Department, Feb. 19, 1827.

SIR-I received, on Saturday, your letter of the 13th instant, and beg to say, in reply to it, that the Report on the resolution of last May, relative to the culture of silk, will not be made at the present session of Congress. The subject commanded my parmotives to urge us on; motives, several of which ticular, and early attention, after the close of the last session, and measures were adopted for obtaintriotic individuals, lend a belping hand to promote from different parts of the Union, but also such desirable consequences? I fear it will be said, the form of publications, or otherwise constitute the proper materials of a report. From the shortness of the recess, the returns of this information had not even come in, except in part, at the commencement of the present session; and fur-ther information may still be expected. The task nations and states be not the business of govern- of having the whole mass digested and arranged in a proper manner, will be entered upon after the close of the present session, and a hope is entertaintions and communities, and you will find that if the ed, that it will be in a state to be presented to Coninfluence of such doctrines, there would probably deemed this course more likely to meet the true obnot be yet one pound of silk raised in all Europe, jects and spirit of the resolution, than if a report nor perhaps the one thousandth part of the wines had been made hastily, which, from the scope that now raised in that country. The government of the subject was found to have, could only have the United States has not thought it derogatory at been done at the expense of the requisite fulness; the last session of Congress, to interest itself in the and I feel happy in believing, from the tenor of our cultivation of silk, and has begun measures to proconversations, that you will be disposed to view,

1 remain, with great respect, your obed't servant, RICHARD RUSH.

The Hon. CHAS. MINER. Of the House of Representatives of the U. S.

HORTICULTURAL ITEMS,

From Loudon's Gardeners' Magazine for 1826.

Naturalization of Plants .- A German author, J. Ch. Lewebs, has lately published a book, in which are some useful remarks on this subject. His work plants for acclimating; and, Sd. Processes for that

In choosing plants to acclimate, it is necessary to attend first to their organization; annual plants which terminate their development in a part of the [The interest we feel in the culture of silk in year are easier acclimated than perennials. Plants which abound in sap and have a spungy porous wood and pith, succeed with difficulty. In applying these principles, the author lays it down as a rule, that instead of endeavouring to give to foreign plants their ancient climate, we ought to apply ourselves to make them forget it. He recommends to begin by hardening the seed, and for that purpose to put to collect information for a perfect report, which we shall have next fall or winter. Some pounds of to diminish the nourishment, but increase its irritait in the ground before winter; to shorten the peto diminish the nourishment, but increase its irritation, by employing stimulating saline manures, camphor, &c.; to stop the growth in autumn, by surrounding the plant with cold; to hinder it from . shooting too freely in the spring, by keeping it dry, so as to diminish the quantity of water absorbed by the roots, &c - Gard Mag.

Means of rendering Promology more flourishing. The Promological Society at Guben, in Lusatia, SIR-Numerous applications are made to me to having been consulted on this subject, recommendknow whether a report on the Mulberry and Silk ed the adoption of the following measures. 1. In-Worm, with a view to the production of silk, call-struct youth in the cultivation of fruit trees. 2. In-The advantages anticipated here are, however, not ed for by a resolution of the last session of Congress, struct also ministers and school masters. 8. Oblige the culture of fruit trees. 5. Establish branch promasters responsible to patched from the culture of fruit trees. 5. Establish branch promological societies. 6. Establish a nursery and an rich. But how many years it would require to efits lees into another cask, and the lees run through orchard for the principal society. 7 Plant fruit feet this, is uncertain.—Gard. Mag. trees in the public places of villages and along the high roads. 8. Let every parish (commune,) be responsible for fruit trees planted in public places. of animals, will ever depend on their being supplied opinion, that if it were in general use, the cha-9. Appoint public watchmen for fruit trees. 10. In crease the penalties for injuring fruit trees. 11. Probability the destruction of small birds, which are necessary for the destruction of caterpillars; but the better green crop than buckwheat; but I think it manufactured wine. The seasons in this climate

Beurré-Delbecq.—This is a new autumn pear, ed ground.] raised by M. Van Mons, from seed sown about thirteen years ago; it is named after the editor of a principal objects of this institution are the follow- vity as high as we find by experience is requisite. public journal, (Messag. des Sci. et Arts,) ripens ing: An extensive collection of exotic plants en- We all of us, I am convinced, greatly err in using autumn, and is said to be a very superior fruit. closed in a glazed conservatory. 2. A library of too much sugar; and were we to bring up our gra-The tree is loftier, and of a handsomer form than standard works in literature and science; museum vities by an extra quantity of fruit, sugar might, any other variety.-Bull. Univ , March, 1826.

Myrica Cerifera.- This plant has been cultivated Garden of Carlsruhe; it there ripens its fruit, five of cropical plants. The building will be of orien-

of 8 ounces of green wax.

Extraordinary utility of the Nettle .- In the weekdried. 3. Experience not only shows that it fattens the perfection of their native soil and climate.—
calves, but improves their breed. 4. It is an anti dotte to most maladies. 5. Sheep which eat it, bring

The instrument is expensive, certainly, when the purchased merely for this use; but, if the method appears to you desirable, I have no doubt Mr. Alance to most maladies. 5. Sheep which eat it, bring make an excellent hemp.

the shoots of pompions.

roots for dyeing yellow; where the horse dealers ing recipe is from this family: give the seeds to horses, to make them brisk and give them a fine skin; and where considerable por-tions of fields are planted with it, and mown five or to every pound of fruit; bruise them well together

tion from the Italian, to show that this may be ef-fected by burying in the soil half grown crops. He gives an example of a field in Piedmont, which was vity will increase. When this is exhausted, a deof May following; at the same time the other was that such matter begins to be decomposed. It is well manured with stable dung. Both were sown then strained from the busks into a cask without a harvest, the produce of the grown crop on the ploughed-down rye, exceeded that grown on the dung in the proportion of 425 to 300. M Jourbert, of Turin, who made this experiment, thinks rye put in with the juice in the cask. This fermentathe best of all plants for ploughing in: but it does not follow, from the above experiment, that bury ing living vegetables is to be preferred to manuring, small quantity of yeast at the first, and afterwards

on the subject. 4. Render ministers and school crops as were grown upon it ploughed down when bunged till all visible fermentation has ceased. I masters responsible for public ordinances relative to they were half arrived at maturity, for a series of again weigh a sample, and find a further attenua-

sparrow is to be excepted, because it attacks both affords less nutriment than clover, and I am certain are so precarious, that the fruit in some years birds and fruits, and only eats caterpillars when it that it affords less than a dressing of stable dung, will yield, at the least, one quarter more saccharine cannot get any thing else. 12. Establish public in the case above cited, the green crop was soon matter than in others; and by following the geneofficers to superintend the execution of promologi- decomposed, and gave all its food to the maize; rality of recipes in favourable seasons, we shall cal laws, and judge petty offenders. 13. Name an while the manure, more ligneous, slower in decom- have a rich, well tasted, excellent wine; in others, inspector general for promotogical plantations for posing, and probably checked in the fermenting (although adhering to the same methods,) a thin each province. Such is the ardor for encouraging process by a cold season, or cold and wet soil, gave and greatly inferior wine. By using this instruthe growth of fruit trees on the banks of the Rhine. probably but a small part. The crop that followed ment, we find in bad seasons the deficiency of grathe maize must have been far superior on the dung- vity; in good seasons, the increase. The known

of natural history, &c. &c.

The Oriental Garden.—This name has been chofor seven years, in the open ground of the Botanic sen from the adaptation of the place to the growth pounds of which will furnish by decoction upwards tal character, entirely of glass, supported by iron work of a peculiar construction; which, while it possesses the requisite strength for covering so vast will never exceed the weight of water; as is the ly newspaper of the Bavarian Agricultural Society, a space, is delicate enough to admit the light with case with all foreign wines. The last specific gra-1823, No. 6, the nettle is said to have the following perfect freedom. It will include about an acre of properties: 1 Eaten in salad, it cures consumption. ground; and under this magnificent canopy, the lan's instrument. 2. It fattens horned cattle, whether eaten green or finest and most beautiful plants may be grown in all

forth healthy, vigorous lambs. 6. It promotes the laying of eggs in hens. 7. It improves the fat of home-made wines. Thirty-seven varieties were very well, if the use of it were fully explained to pigs. 8. The seed, mixed with oats, are excellent presented to them for examination, at their late for horses. 9. It grows all the year round, even in meeting. The qualities of the wines seem to have the coldest weather. 10. The fibres of the stem improved materially from year to year, not only in the Cnampagne, both still and mousseux, from the The Bavarian orarle might have added, that few unripe gooseberry becoming more and more palaplants force better or more rapidly, and that the table, but various attempts at imitating the drier tender shoots so produced, make a delicate and continental wines have succeeded beyond expectahigh-flavoured pot-herb, resembling the points of tion. The committee recommend competitors, to follow as nearly as possible the mode practised by It is certain the nettle is much valued in Holland, Mrs. Roberts, and described at length in the Mewhere its young shoots are used as a pot herb, its moirs of the Society, vol. iii., p. 460. The follow-

"I have but one general rule for making every six times a year, as green food.—Gard. Mag.

Cultivation without dung.—M Corvaille, of Toulouse, has published a pamphlet, in part a translation of liquor after every operation. The increase of divided in two equal parts; on one of these rye, crease of saccharine matter will be observed by a sown in November, was ploughed down on the 1st decreased specific gravity at the next trial, showing with maize, and treated with the same care. At head, for fermentation; which cask is sufficiently

ministers and school masters to acquire information doubt, however, that if the poorest land had such kept for this purpose,) and allowed to remain una filtering bag. The proportion of spirits used is one-

> opinion, that if it were in general use, the chaevil can be easily remedied by an extra quantity of Brighton Atheneum and Oriental Garden .- The unadulterated juice, sufficient to bring up the graperhaps, be completely dispensed with. Homemade wines would, in every respect, resemble foreign, and be far superior to what they now arc.

"I have found the average specific gravity of home-made wines, when a twelve month old, to be from 30 to 50. Whereas a well manufactured wine vity before fermentation I adopt, averages 120 Al-

"Tue instrument is expensive, certainly, when very well, if the use of it were fully explained to him.—Gard, Mag.

TEA PLANT.

Linnaan Botanic Garden, near New York, Feb. 3, 1827.

Sir,-Perceiving various communications from time to time in your excellent publication, relative to the Tea Plant; I have thought it well to inform the public that I have about a hundred fine flowering plants, of both the Green Tea or Thea viridis, and of the Black Tea or Thea Bohea-also plants of the Camellia sasangua, which forms part of the manufactured green teas; and of the Olea fragrans whose very odoriferous flowers are used in conjunction with those of the Aglia odorata, and Viola odorata, to perfume all the finer descriptions of tea. I have also in my collection the Leptospermum scoparium or New Zealand tea; the Ilex cassine or Yapan tea of North Carolina, and the Rhamnus thezans of China. I anticipate shortly making you a more extensive communication on this and other subjects of interest to our country.

st to our country.
Yours most respectfully,
WM. PRINCE. J. S. SEINNER, Esq.

STRAWBERRIES.

because the effects of the latter lasts three or four skinning and stirring it at least once a day. It is the flat ground. The flat tiles retain the moisture, years, while that of ploughing-in growing plants is seldom perceptible on a second crop. We have no tion, (filling it up twice a day with its own liquor, from dirt after heavy showers of rain.—Gard. Mag.

LADIES' DEPARTMENT.

HOW TO CHOOSE A GOOD HUSBAND.

When you see a young man of modest, respectful, retiring manners, not given to pride, to vanity,

When you see a young man of frugal and industrious habits, no "fortune hunter," but who would take a wife for the value of herself, and not for the sake of her wealth, that man will make a good husband, for his affection will not decrease, neither

enough to carry him any where, and vanity enough to make him think every one inferior to himself don't marry him, girls, he will not make a good

When you see a young man, who is using his best endeavours to raise himself from obscurity to credit, character, and affluence, by his own merits. marry him; he will make a good husband, and one worth having.

When you see a young man depending solely for his reputation and standing in society, upon the wealth of his father or other relations-don't marry him, for goodness' sake; he will make a poor hus-

band

When you see a young man one half of his time employed in adorning his person, or riding through the streets in gigs, who leaves his debts unpaid, although frequently demanded-never, never do you marry him; for he will in every respect make a bad husband.

When you see a young man who never engages in any affrays or quarrels by day, nor follies by night, and whose general conduct is not of so mean a character as to make him wish to conceal his name; who does not keep low company, gamble, nor break the Sabbath, nor use profane language, but whose face is seen regularly at church, where he ought to be—he will certainly make a good husband.

When a young man, who is below you in wealth, offers you marriage, don't deem it a disgrace, but look into his character; and if you find it correspond with these directions, take him, and you will get a good husband.

Never make money an object of marriage; for if you do, depend upon it, as a balance tor the good,

you will get a bad husband.

When you see a young man, who is attentive and kind to his sisters, or aged mother; who is not affection and tenderness-take him, girls, who can ed with the Pointer, according to modern fashion, he is truly worth the winning, and will in certainty make a good husband.

Lastly, always examine into character, conduct and motives, and when you find these good quali ties in a young man, then may you be sure he will

make a good husband.

cheek, and my heart took an interest in her afflie- bitch to set partridges, pheasants and other game, as cheek, and my heart took an interest in her affliction; though I knew not the cause. I followed her, unnoticed, to her humble habitation. I saw her enter, and heard her bestow a benediction on three shivering infants, who hailed her return with classic states of the day. The Setter is a very beautiful and engaging dog, and the more so in proportion to retaining his original breed and form, and being free from the

morous joy. She divided among them the scanty thoughts of leaving them exposed to a world which portion of food which her day's labour had been she had found so pitiless, sometimes shook her foror flattery, he will make a good husband; for he will be the same kind man towards his wife after she had tenderly loved; he had been unfortunate in ly interested: it is no tale of fiction. There are dren; missortunes had continued to pursue her. She are neglected, industry too frequently discouraged, had falents, but ill health and poverty prevented virtue unnoticed, and pride and riches alone tri-her exercising them. She had industry, but could umphant. I have often reflected on the happiness find little to employ it. She called at the houses of it would have afforded me, if Heaven had blest me will he bring himself or his partner to poverty and want.

When you see a young man, whose manners are ings were too refined to allow of her being important words. When you see a young man, whose manners are ings were too refined to allow of her being important words have another income and the rich, but they "could not afford to employ her;" with the means to seek out neglected merit, to encourage virtuous industry, to show my respect to talents, though obscured by poverty, and to speak tunate. She bore her sorrows, her privations, her consolation to the delicate and sensitive heart, when hardships, and the mortifications attendant on a labouring under wrongs, which "patient merit of condition like hers, in silence. The friends of her the unworthy takes" It galls me to think that vulprosperity had forgotten her in her misfortunes; she gar importunity, and unblushing effrontery, too had nothing to attach her to life except those deso-often obtain that notice and support, which modest late infants-for their sake she tried to support her merit sighs for in silence and in vain. miseries, and to struggle on yet a little longer. The

able to procure, and I saw her turn away and weep titude; her religion would then come to her aid, her history, for she appeared like one who had seen better days. She had entered life with fair prosto the shorn lamb." This was the account I had his business, and at his death was unable to leave thousands such in this land of liberty, peace and her an adequate support for herself and three chil- plenty. In this refined and enlightened age, talents

SPORTING OLIO.



THE SETTER.

The Setter was originally a Spaniel, perhaps of thus describes the crack Setters in that country;berland of the fourteenth century, has the reputa-tion of being the first sportsman who broke and trained the Setting dog to the net. In the year t685, a yeoman of the name of John Harris, of Willdon, in the parish of Hastlebury, county of Wor-

the larger kind, taught to sit or couch on scenting colours deep chestnut and white, or all red, ashamed to be seen in the streets with the woman the game, as the Hound was subsequently taught to with the nose and roof of the mouth black. In genwho gave him birth and nursed him, supporting her weak and tottering frame upon his arm, and who will attend to all her little wants with filial love. Stand or point, in the similar circumstance. Had eral, Setters partake of the variety of colours in the we not the testimony of history the deep flew and spaniel and Pointer. On the same authority, we learn that the Hibernian sportsmen are in the habit learn that the Hibernian sportsmen are in the habit of giving very liberal prices for the best kinds of get him; no matter what his circumstances in life, fully demonstrate his origin. A Duke of Northum- this dog: as a proof, a gentleman in the north of Ireland, gave to his tenant for a Setter dog and bitch, the renewal of a lease of a farm for nine hundred and ninety nine years, which farm, had the lease expired, would have cleared to the landlord, above two hundred and fifty pounds per annum. In cester, executed a deed signed by his mark, to this case, it is but fair that, we be allowed to pre-Henry Herbert, of Robbesford, said county, Es sume some additional and valuable consideration. THE WIDOW.

I perceived her as she slowly turned the corner of the street to stop and wipe away the tears that were fast coursing each other down her feeble cheek, and my heart took an interest in her office.

Pointer cross. His eye and countenance have all ver failing desire of shining by the intermixture of India ships might bring in seeds and plants of that the softness of the Spaniel, and when of good size, breeds, with little consideration of the end, Point most valuable wood, the Teak. It might grow in with his soft, deep, and curly flew, and long fringed tail, he makes a charming and enticing appearance Pointers; but we have not observed the beneficial would not feel the expense, or regret the trouble, if in the field It is difficult however, at present, to result. On the score of utility, the Setter can de-you would prepare two duodecimo leaves, with a find a true Setter, so much has the original breed rive no improvement from such a cross; and grantbeen mixed with the Pointer; perhaps the breeding, which however is not proved, that the Pointer the preservation of seeds and plants. Place a copy may have been preserved more pure in Ireland. The field duties of the Setter and Pointer are the same, but the former is more active, hardy, and spirited, fearing no ground, wet or dry, nor the haps, he superseded the Setter in the affections of spirited, fearing no ground, wet or dry, nor the haps, he superseded the Setter in the affections of dent would make out the list. We take this opporthickest covers, his feet being narrow, hard, and the sportsman. Many instances have been related tunity to request some friend in South Carolina, to well defended by hair. He is well fitted for moor and heath, and no day is too long for his unwearied ter, whilst following his master travelling on horseactivity and courage. He is said to be sometimes back: this dog will hunt all the fields adjoining the list of such things as they wished to be imported given to strange antipathies, caprices, and self-road, during the journey, whilst a Pointer, in the for experiment.] will, in his hunting, of which Mr. Daniel gives a same circumstances, will generally stick close and singular instance. The narrowness of his loin is unconcernedly at the horse's heels. The late well singular instance. perhaps to be found in many Spanicls, and does not known Mr. Elwes affirmed that one of his famous seem to detract from his stoutness in the field; should breed of Setters, in following him to town, hunted all this peculiarity require a remedy, it must be sought the road-side fields during a journey of sixty miles. in attention to that respect in breeding. As to the Another anecdote, of a rum complexion, is detailed offensive discharge from the ears so common to of a Setter bitch, called Dido, the property of the Spaniels and Setters, if it be not prevented by cooling purges, accompanied with proper external apattached to the sports of the field. Dido, it seems, It will be speedily followed by the index and title plications; but suffered to acquire that inveteracy following the Doctor into the country, happened to page, to complete it for the binder. which we often witness in old dogs, the best remedy, and far the least painful, in the long run, to the animal, is the excision of almost the whole of the ears, and suffering them to bleed considerably.-When external application can be of use, drying cur, to his high-born bitch, instantly drew a pistol their confidence and good will. His triends are washes and ointments, of which the mel Egyptia- and shot the offender dead. The whole of the respectfully requested to use their influence to incum is the basis, may prove most successful, in- bitch's love affair, as how she retained to her dying crease the circulation of his journal; so far, at least, ternals not being neglected: of these last, sulphur-day, an inviolable attachment to her first murdered as to counterbalance the names that may be withated water continued for a time, with a few occa- lover, and however subsequently matched, she re- drawn at the end of the year. sional doses of calomel, are the medicines most solutely and spitefully determined never to produce worthy of dependance.

Setter or Pointer have the most powerful nose; but lovely part of the subject, it seems never to have literal copy. It struck us as a model, in its way, let a sportsman take a thorough good dog of either occurred that, Smith in shooting the dog of another for plainness, brevity and honesty! kind, into the field, and he will no longer trouble person, and by that person, perhaps, equally valued, himself with that dispute. Beyond a doubt, the as his own bitch by him, had committed a gross and Setter is the most useful gun dog of the two; but unpardonable act of despotism.

the Pointer is the largest, most stately and shewy, We have observed that a Setter was originally a steadiness The Setter on his part, may put in his but although the land Spaniel was always preferred fection for man, which shines so eminently and so

delightfully in the Spaniel.

The two breeds being of similar use and qualification, an anecdote of either will not be out of place. In the Sporting Magazine for June, 1811, dogs commenced at six, and even as early as four season. The testimony of some of the best judges there is a portrait of a Pointer named Basto, the months old, which chiefly consisted in teaching the can be given, to show that a finer horse was never property of — Mildred, Esq. of Walton upon dog to lead in a line and collar, following close at Offered to the publick use in this state. He is of a Thames. This dog was got by Mr. Rydes' Basto, the breaker's heels, and to couch, or lie down close beautiful bay colour, 5 years old last spring—got out of a samous bitch called Romp. He was a na- to the ground, his distinguishing attitude. turally staunch and thoroughly trained young dog, and had the peculiar qualification of bringing his game from water, as well as land. This peculiarity was an inducement to make the quotation, since the Pointer in general is not very ready to take water, and more especially if he be of the fashionable smooth haired cross, of which Basto by his portrait seems a prominent specimen: indeed the picture may almost as well be taken for a Fox Hound as a Pointer. The old Setter would take water very readily, and we have often seen Setters used in the amusement of moor hen shooting in moats and ponds.

Many sportsmen prefer the Setter to the Pointer, for pheasant shooting, as more active and hardy having so much of the quality of the Spaniel, and answer.] thence not flinching at the thickest coverts. On the moors and for grouse shooting also, the preference of the Setter is decisive, for although he is said to require much water, and to be unable to en- Could you print a dozen copies, and place them in dure heat and thirst like the Pointer; the former, the hands of our captains and supercargoes who readers to the following notice of a valuable literary from his constitutional activity, and the hardness of visit the Pacific? I am but a lame geographer; yet publication: THE CASKET, or Flowers of Literature, his feet, is superior in a long day, over a rough and will also draw your attention to the celebrated pines Wit and Sentiment; published at Philadelphia, by

gains something in regard of usefulness, such advantage will be countervailed by an abatement of size, merchant ships, on strong, firm paper." figure, and stateliness, on which account only, perof the unwearied activity and stoutness of the Setmeet with a little ugly cur dog, in a village upon the road, fell in love with him, and that which was teresting materials for the several departments; and far more surprising, never afterwards forgot it. The we can assure our patrons, that there will be no Doctor, indignant at the advances of such a plebeian lack of exertion on the part of the Editor to justify any but eur whelps, is circumstantially related by It has been disputed, very uselessly, whether the our writers; to whose minds, fully engrossed by the

and is admired for his rate, his high ranging and Spaniel taught to set, or couch, on scent of game; claim, and more especially, when of the pure breed, for the purpose, yet in former days, any dogs that to his full share of the intelligence, sagacity and af- would hunt, being "strong and nimble rangers, with wanton tails and busy nostrils," were taught to set; among these were mongrels between land and water Spaniels, shallow flewed hounds, tumblers, lurchers,

[Sportsman's Rep.

EDITORIAL CORRESPONDENCE.

EXTRACT-INQUIRY.

"Let me ask you if, through the medium of the Farmer, you can furnish the most approved method of making good barrelled Pork and Beef. The whole process, including the quantity of salt to the barrel or 100lbs.; the proportion of salt petre; if the meat is immediately barrelled up, or has it a previous salting, and how done?"

[We hope the foregoing will meet with a ready

ON IMPORTING SEEDS AND PLANTS.

"I wish to draw your attention to the enclosed. uneven surface. From accident, or from that ne- of Norfolk island, near to New South Wales. Our Atkinson & Alexander,

ers have been crossed with Setters, and Setters with Florida, if not in Maryland. I do think that you list of what you wish for, and short directions for in the hands of our naval officers, and on board our

> [We would do it with pleasure if our corresponsend us a copy or two of the little pamphlet, published by the Agricultural Society there, containing a

THE FARMER.

BALTIMORE, FRIDAY, MARCH 9, 1827.

3-Our subscribers are respectfully reminded,

For the next volume, there will be no lack of in-

\$3-HONOURABLE!-We received last week a letter from a gentleman, of which the following is a

Warrenton, Feb. 26, 1827. Enclosed you will find ten dollars, which I believe is the full amount due you for the American Farmer. You will please discontinue my name on your list as one of your subscribers; I am too poor to pay punctually, and wish no man to spend his money in ink, paper, and the hire of Printer, for nothing.

Yours. &c.

RINALDO.—Proposals will be received for taking this valuable horse by the season, for a cerseason. The testimony of some of the best judges beautiful bay colour, 5 years old last spring-got by Sir Archy out of Miss Ryland by Gracchus— Duette, by Silvertail, full bred son of Clockfast; Vanity, Celer; Mark Anthony; Jolly Roger.

AMERICAN ECLIPSE.

MR. SKINNER, Batt. March 5, 1827.

You are requested to say in your very useful paper, that the great racer, "AMERICAN ECLIPSE," of New York, will stand for mares the ensuing season, at the stable of Mr. William Towns, in Boudtown. Mecklenburg county, Va.; where good pasturage is secured for mares sent from a distance. The ewners of the horse have, in addition to the groom, sent on a competent person to take charge of the business of the horse, and keep a record of the pedigrees of the mares. Very particular care will be taken of mares; but no liability for accidents or es-

E-LITERARY.—We call the attention of our

This is a monthly publication, got up in a superior manner, at great expense, every number of which contains forty large octavo pages, printed of the Agencies Technology and the Agencies Technology well, on small handsome type, upon the finest paper, stitched and covered, accompanied with a table of contents, and furnished at the low price of two dollars and fifty cents per annum, in advance. The work is enriched with the choicest original and selected literary productions of our own and foreign countries; and in addition to the recommendation of neatness in its general appearance, and particu | ment Square, on Monday, the 12th inst., at 12 o'clock lar attention to the typographical execution, each number of the Casket is embellished with three handsome engravings, from the hands of some of the most distinguished native artists. The numbers already published contain-

January-An excellent likeness of the late John Adams, by Longacre-a View of Fair Mount Water Works, near Philadelphia-and Nos. 1, 2, 3 and 4

of the "School of Flora," with cuts.

February—A View of the Capitol at Harrisburg, Pa.—a spirited engraving of the Passaic Falls near Patterson, N. J .- a Front View of a Kitchen, Grate, the crop. Crane, &c .- and Nos. 5, 6, 7 and 8 of the "School of Flora."

March-A likeness of John C. Calhoun, Vice President of the United States, by Longacre-a View of the Catskill Mountain House, at the Pine Orchard-Nos. 9, 10, 11 and 12 of the "School of Flora"-and a new Ballad, by Thomas Moore, Esq.

called "To-day, dearest, is ours," set to music.
The April number will contain Views of the Port of Buffalo-the Elm Tree under which Penn's treaty was formed, taken at Kensington, with a distant prospect of Philadelphia-Nos. 13, 14, 15 and 16 of the "School of Flora"-and the popular song of "I've been Roaming," set to music, as sung by Mrs. Knight.

In the month of April will be commenced in this work, the publication of the prize essays, for which premiums have been offered by the editors of the

Saturday Evening Post.

At the end of the year, subscribers to the Casket, which will form a volume of near five hundred puges, Union Bank Maryland, do. and contain upwards of thirty engravings, besides music, &c. will be furnished with an elegant and Franklin Bank, appropriate engraved title page, and general table Commercial and Farmers' Bank, of contents.

With these claims to patronage, the "Casket" will, as has been previously mentioned, be afforded Marine Bank, to those who subscribe for that paper exclusively, at Farmers' Bank of Maryland, the low price of \$2.50 per year; a subscription which it is confidently believed, is much lower than that for any other publication of a similar character in the United States—but to the subscribers of "The Do. 5 per cent. redeemable in 1832, Saturday Evening Post" "The Casket" will be furnished for \$2 only.

LINNÆAN BOTANIC GARDEN AND NUR-SERIES,

(Long Island, near New York.)

WILLIAM PRINCE, proprietor of the above establishment, so well known for its great extent, and for the accuracy maintained in the execution of orders, offers to the public such Fruit and Ornamental Trees, Shrubs and Plants, as they may desire. The collection of Fruit Trees, of all the various kinds, is equal to any in Europe; and this department, as well as those of Orna-mental Trees and Shrubs, Flowering Plants, Greenhouse Plants, Bulbous Flowers, and particularly Grapes, is by far the most extensive and valuable in America. The 24th edition of the Catalogue for 1627, has just issued from the press, and in addition to the immense acquisitions of former years, comprises above 500 new or relief of the choicest Fruits, never before offered to his procession of the choicest fruits, never before offered to nicious and Unprofitable Plants, continued—Essay on the choicest fruits, never before offered to nicious and Unprofitable Plants, continued—Essay on the choicest fruits and procession of the Colline of th the public, and not in possession of any other establish-

warded direct per mail to the proprietor, will receive · March 9, 1827.

VALUABLE HORSE FOR SALE.

That well known and very valuable horse Tom JER FERSON, raised by the late Mr Thomas Lewis, of Balti more county, will be exposed to public sale in Monu Tom Jefferson was four years old last fall—sired by Exile, out of an Eagle mare. Persons desirous of ob taining his full pedigree, (which is not excelled by an horse owned in Maryland,) will be accommodated by addressing a note (post paid,) to March 9, 1827. E. LEWIS, Baltimore

COTTON SEED.

The subscriber offers for sale several hundred bush els Cotton Seed, of prime quality, which has not in th slightest manner, been touched with the rot, a diseas highly communicable from infected seed, and fatal t

The stock of this seed has grown at least two year in a part of Virginia of nearly our latitude and climate and one year in Dorchester, Md.; and therefore is well acclimated; a point of known importance to the plan ter. The requisite seed per acre is about two bushels By the way of Baltimore, where the subscriber, if re

quired, will deliver it, almost any part of the state ma receive it, in a few days after order.

A specimen of the cotton may be seen at the office the American Farmer. JOSEPH E. MUSE.

Cambridge, Md. March 5, 1827.

PRICES OF STOCKS.

(Reported for the American Farmer, by MERRYMAN GITTINGS, Stock and Exchange Brokers.) Baltimore, March 9, 1827.

par value. prese BANK STOCKS. U. States' Bank Stock, per share, f. s. \$100 118.2 Bank of Maryland, Bank of Baltimore, do. 300 228 2 do. (div. off,) 300 342 do. w 75 Mechanics' Bank, u9.5 w 20 25.87a2 Farmers' and Merchants' Bank, . 50 55.0 City Bank, 2.5 27.7 25 50 53 CITY STOCKS. Corporation 6 per cent. redeemable ? 100 111 after 1836, 100 102 Penitentiary 5 pr. cent. stock, 105 Museum, 8 per cent. (no demand.) 100 par&ir Masonic Hall, 6 per cent. . Annuities, or Ground Rents, . 6 to 10 per cer U. STATES' STOCK. Six per cent. 1813, (div. off,) 100 102 100 ----, 1814, do. f. s. 103 **-,** 1815, do. f. s. 100 104

W., wanted-f. s., for sale, by Merryman & Gitting CONTENTS OF THIS NUMBER.

do.

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107

Three per cent.

Five per cent.

Four and half per cent. do.

Agricultural Memoranda, Agriculture of the Gree and Romans, Maxims of Farm Management of the R Cultivation of the Grape in South Carolina, by N. He ment in this country.

bemont—The Silk Culture, official correspondence
The collection of Grapes consists of above 250 varicHorticultural Items—Tea Plant—Strawberries—Ho ties, including the finest wine and table grapes of to choose a Husband-The Widow-The Setter Dog, Printed every Friday, at \$5 per annum, for JOHN S. France, Italy, Germany, and the Crimea. The Green-house department contains above 20,000 Plants, includ-porting Seeds and Plants—Editorial Items—The Casing all those species most beautiful and rare, among ket, or Flowers of Literature, &c .- Advertisements.

PRICES CURRENT.

	PRICES CURRENT.								
e	t paret pe		WHOLE	SALE.	RET.	AIL.			
-	ARTICLES.	per.	from	to	from	to			
e	BEEF, Baltimore Prime,	bbl.	8 00	8 50					
	BACON, and Hams,	lb.	6	10	9	12			
-	BEES-WAX, Am. yellow	_	29	30		50			
	COFFEE, Java,	_	16	164	20	22			
3	Havana,	-	14	16	,	20			
-	COTTON, Louisiana, &c.	-	11	14					
ι- : ζ.	Georgia Upland,		10	117					
y	COTTON YARN, No. 10,	-	28						
)-	An advance of 1 cent each number to No. 18.								
y	CANDLES, Mould,		13	15	16	18			
y	Dipt,	_	11	13		16			
	CHEESE,	_	81	12	12	15			
e.	FEATHERS, Live,		29	36	37				
-	FISH, Herrings, Sus.	bbl.		2 50					
	Shad, trimmed,		5 50	6 00	į į				
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rs	GRAIN, Ind. corn, yellow	bush							
e,	white	_	50						
11	Wheat, Family Flour,	_	1 10	1 20					
n-	do. Lawler, & Red,	-	1 00	1 10					
s,	do. Red, Susque	-	1 05	1 10					
e-	Rye,	-	1 10	75 1 20					
ıy	Barley, Eastern	_	90	1 00					
of	Do. country Clover Seed, Red	bush	- 0-	6 50	7 00				
ĺ	Ruta Baga Seed,	lb.	87		1 00				
	Orchard Grass Seed,	hush	3 50						
=	Mangel Wurtzel Seed,		1 25		1 50				
	Timothy Seed,	-	4 00		5 00				
-	Oats,	-	45		50				
&z	Beans, White,	1.	1 38	}	2 00				
	HEMP, Russia, clean, .	ton	250 120	200					
	Do. Country	lb.	18		25				
ni	HOPS, 1st sort, (1826) HOGS' LARD,	10	8	10					
25	LEAD, Pig	lb.	1 .						
0	Bar	1 -	71						
v	LEATHER, Soal, best,	-	21	23					
w	MOLASSES, sugar-house	gal.	31	50		75			
50	Havana, tst qual	114	61	32	371				
26	NAILS, 6a20d	lb.	1		P .				
26 50	NAVAL STORES, Tar,	001	1 75		1				
00	Pitch,	1=	2 50		.}				
30	OlL, Whale, common, .	gal.	39		40				
75	Spermaceti, winter .	-	70	1	88				
w	PORK, Baltimore Mess,	bbl		1					
	do. Prime,	-	9 00						
2.42	PLASTER, cargo price,	ton	1 2 56	1					
w	ground,	bbl	1 0		5	7			
w	RICE, fresh,	lb,	1 40		4				
	SOAP, Baltimore White Brown and yellow	10.	5 4	1					
	WHISKEY, 1st proof, .	gal.	001		i	50			
nt	PEACH BRANDY, 4th pi	r —		1					
nt	APPLE BRANDY, 1st pi	r	1,000	35					
	SUGARS, Havana White	, c.lb		1	14	15			
1	do. Brown,	-	10 00		la a	11			
	Louisiana,	1h	1 10						
	Loaf,	lb.	70	1	1 00				
	SPICES, Cloves, Ginger, Ground,		1 3		1				
}	Pepper,	-	16		25				
	SALT, St. Ubes,	bus	h 50			1			
<u>7</u> 9	Liverpool ground	1-	5		75				
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SKINNER, Editor, by John D. Tor, corner of St. Paul and Market streets, where every description of Book and Job Printing is handsomely executed.

AGRICULTURE.

(From the New England Farmer.) ON THE MANUFACTURE OF CIDER.

The quality of cider depends on several contingencies; among which I will enumerate-

1. The species of fruit employed.

2. Soil and aspect of the orchard. 3. Condition of the fruit when ground.

the acetous fermientation.

I intend to offer remarks upon each of these di-

visions And,

rind and pulp are green, the cider will always be fords a satisfactory reason why winter fruit is sil-the writers upon the subject seem to agree, that dom or never good cider fruit. In a dry apple, the calcareous earth should form a component part of by the mill, as nearly as possible to an uniform mass, essential elements of cider are generally more con-the soil of a cider or chard. It appears to have the centrated, or are accompanied with a less propor-effect of mitigating the harshness of rough and ble; and the pomace should be exposed to the air liquor of the former, is stronger than that of the which are too acid. Coxe says, the soil which temperature, before it is pressed.

gravity of its must, or unfermented juce; or, its plants and fruits are always more concentrated and subjecting it to immediate pressure, the juice weight, compared with that of water. This, says when growing on a dry, than on a wet soil. Mint, which escapes will be found to be thin, nearly co-Knight, indicates, with very considerable accuracy; or other aromatic herbs, is much stronger in the lourless, and devoid of flavour. If the maceration is the strength of the future cider. As weight, and specific virtues of the plant, when grown on a dry perfect, so as to crush the seeds and break down consequent value, is supposed to be increased in soil, and greater in volume, when grown on a wet the rind, the strength, colour and flavour of the must the ratio of the increase of the seccharine matter, one. The maple yields the sweetest sap, though will be improved; and if the macerated pulp is ex-In making wine of domestic frut, say of the curless in quantity, on a dry soil. Apples may grow
posed for a few hours to the atmosphere, and then
rant or gooseberry, for example, we use sugar till
large on a moist alluvion; but the fruit will neither
subjected to present, these desirable properties in
the unfermented liquor attairs a certain specific
be so abundant, nor so rich, as on a dry soil. The
item in the fruit will neither
the liquor will be found to be still further augmentgravity; or until the succharine matter of the fruit,
thrifteest trees produce the most wood buds; those
ed. "By the chemical action of the roller," says and that artificially supplied, bears a certain pro-less thrifty, the most fruit buds. The best aspect Knight, the various fluids which occupy the dif-portion to the water. This insures to the liquor, for an orchard is one somewhat elevated or undulat-for an orchard is one somewhat elevated or undulat-

spirit by the fermentive process.

knowledge of the relative value of our native ap bia and Saratoga, on the transition formation, pos- new elective attractions will be exerted, and comples for cider. Cove has described and figured one sess the most spirit, best flavour, and resist longest pounds formed, which did not exist previously to hundred varieties of this fruit, of which about thirty the acetous fermentation.

The fruit being placed under the roller; and hence are recommended for cider. Of these thirty kinds, S Condition of the fruit. Fruit should be used the most correct analysis of the expressed juices I selected the following for my nursery, as not only when it has attained its perfect state of maturity, will convey but a very imperfect degree of know-being best for cider, but as generally combining and before it begins to decay, because it then yields the desirable qualities of table fruit also: viz. the the greatest proportion of saccharine matter. The as they existe the proportion of saccharine matter. The most certain indication of ripeness, says Crocker, the fruit." "I have often extracted," he continues,

the investigation made public.

while of the ordinary juicy kinds, eight Jushels also to prefer a dry and somewhat loose soil, in the rind of the apple have a material influence, which the roots, d stined to furnish food for the with the aromatic bitter of the seeds, upon the fla-The only artificial criterion employed to ascertice and fruit, may penetrate freely, and range extended to the liquor. The quality of an apple for cider, is me specific tensively, in search of nutriment. The juices of the liquor of the liquor.

their properties should be tested, and the result of other. Who would ever think of making a superior wine from an indiscriminate mixture of a dozen In Great Britain more attention has been given kinds of grapes? And yet we seem to expect good to this subject. The specific gravity of the juice cider from an indiscriminate mixture of a dozen of old cider varieties, has not only been ascertained kinds of apples. It may be urged, that the evil is by scientific men, and their relative value fixed, but irremediable, because our orchards, containing these new varieties have been obtained by artificial cross-dozen varieties, have been furnished to our hands; ing, surpassing, in richness of juice, any before cul and that neither the quantity nor quality of any one tivated. Loudon has given a table of 38 citter ap-kind of fruit renders it an object to manufacture it ples, in his Encyclopædia of Agriculture. Of these, separately. Is it not time, then, to set about cor-4. The process of grinding, &c.

the following are only known to be in our nurseries, recting the evil, by selecting only the best kinds for Management of the vinous fermentation; and viz: *Redstreak, Wine, Stire, Hagloe crab, *Maid new plantations. A farmer should make cider to 6. The precautions which are taken to prevent en's Blush, *Count Pendu, *Downton and Grange sell, and it is material to him whether he obtains pippins, Foxley, Siberian Harvey, yellow Siberian, two or ten dollars the barrel. Our manufactories, and *Minshul's crab. Those with an asterisk are our towns and cities, and the demand for exporta-also excellent dessert apples. The seven last namition, will always ensure a market and price for good 1. The Fruit. Apples differ not only in their fla- ed, five of which are new varieties by Knight, I ciders. Mr. Wynkoop, of Lancaster, Pa. has 400 vour, colour and time of ripening, but in the pro-have obtained from Europe, and propagated in my trees, of the Virginia crab, on less than five acres of portions of their constituent parts. The most ma-terial of these constituent parts are acid, sugar, exceed, in the specific gravity of their juice, 1079, old, he stated to the President of the Pennsylvania astringency, vegetable extract and water. The properties of good dessert and cider apples, are properties of good dessert and cider apples, are seldom found mitted, though they are not incompa-nion, that with proper varieties of fruit, the defects each; which he sold at Philadenphia at 2s. 6d the tible with each other. Table apples are esteemed of almost every soil and aspect night be corrected, gallon, or about \$1500 in the gross. And yet this on account of their bland and aromatic flavour, and that fine ciders might be made in any part of apple is not a first rate cider apple. It is deficient crisp and juicy pulp, and for the property of keep England. In France and Italy, small berried grapes in sugar, but abounds in astringency, rather a keeping long, or ripening late. The characteristics of of a harsh flavour are preferred for wine making, ing than an enriching quality. What farmer can a good cider apple are, a red skin; yellow and ofter (Loudon,) and it will be found that the cider apples apply his land to better profit? Wines differ as tough and fibrous pulp, astringency, dryness, and recommended by Loudon and Coxe are under a much in their quality and price as ciders. Fruit, ripeness at the cider making season. "When the medium size, and several of them austere and harsh, soil and skill make the difference in both; and upon 2. Soil and aspect. The apple, like the grape, is the proper selection and expense of those, depend thin, weak and colourless; and when these are known to take much of its character from the soil the quality of the liquor, and the consequent profits deeply tinged with yellow, it will, however manuform which it grows. The best cider orchards in of the cultivator. Upon this branch of the subject 1 factured, or in whatever soil it may have grown, England are on a stratum of red marle which will only add, that the apples should ripen upon the almost always possess colour, with either strength stretches across the island. The soil of Hereford tree, be gathered when dry, in a cleanly manner, or richness."—(Knight.) The apple, like the grapt, shire, highly reputed for its ciders, is an argillar spread in an airy, convenient situation, if practicable, must attain a state of perfection, or perfect mature ceous, or clay marle; and Knight says, the strongest for a time, to induce an evaporation of aqueous matty, before its juices develope all their excellence; and most highly flavoured cider which has been ob- ter, which will increase the strength and flavour of and as many of our best eating apples do not at tamed from the apple, was produced from fruit the liquor, and he separated from rotten fruit and quire this maturity until winter or spring, this first growing on a shallow loam, on limestone basis. All every kind of filth, before they are ground.

tion of water, than in a juicy one; of course the austere fruits, and of neutralizing the juices of those from twelve to twenty-four hours, according to the latter. Of our best cider apples, ten or tvelve grows good wheat and clover, is best for a cider the rind of fruit, as may be instanced in the orange bushels of fruit are required for a barrel of juice; orchard. My own observation would induce me and lemon, are highly concentrated; and those of

strength, or body, as the sugar is converted into ing, protected from prevailing cold winds, and facing with the juices of the rinds and seeds, and with the the south, south east or east. Ciders brought to macerated substance of the vessels and cells them-Very lit le has been done to acquire a correct the Albany market, from the hilly towns of Culum selves. In such a mixture it seems probable that Stree, yellow Newton and Newtrk pippins; Priestis the fragrance of the smell and the spontaneous by means of a small hand press, the juice of a ley, Grantwinkle, Winesap, Carthouse and Cooper's dropping from the trees. Each kind of the apple single apple, without having previously bruised it should be manufactured separately, or though the digenous fruit, many kinds of excellent cider apples only mixed which ripen at one time, and which the small hand and exceeded the contraction of the small hand press, the juice of a ley, Grantwinkle, Winesap, Carthouse and Cooper's dropping from the trees.

Each kind of the apple single apple, without having previously bruised it to pieces; and I have always found the juice thus digenous fruit, many kinds of excellent cider apples only mixed which ripen at one time, and which ripen at one time, and which ripen are represented to the price of a small hand press, the juice of a level of the apple apple, without having previously bruised it to pieces; and I have always found the juice thus digenous fruit, many kinds of excellent cider apples only mixed which ripen at one time, and which ripen are represented by the proposition of the apple and the contraction of the apple apple. hitherto unnoticed, and it is very desirable that perience shall show, are not prejudicial to each tive in richness, though the apple possessed great

No. 52. -vol. 8.

pressed juice to the pulp which I have exposed, same; and these substances only differ in the pro- called stumming, that is burning a rag impregnated during a few bours, to the air and light; and the portion of their component parts, and in the modes with sulphur, in the cask in which the liquor is to be juice has then become deeply tinged and very rich. of their chemical union Sugar consists of hydro decanted, after it has been partly filled, and rolling it In the former state it apparently contained but a gen, oxygen and carbon. An increased proportion so as to incorporate the liquid with the gas; or by very small portion of sugar, in the latter it certainly contained a great quantity; much of which I be-lieve to have been generated subsequently to the juice having been subjected to the action of the press: though it may be difficult to explain satisfactorily the means by which it could have been produced." Knight ascertained, by a subsequent experiment, that by exposing the reduced pulp to the operation of the atmosphere, for a few hours, the specific gravity of the juice increased from 1.064 acidifying principle. Here again we see the proto 1,073; and from the experiment being repeated priety of professional cider manufacturers, who this without suggesting to the consideration of the in a closed vessel with atmospheric air, he ascer might be provided with cellars where the tempera enlightened Trustees of your state Agricultural Sotained the accession to be oxygen, which according ture could be regulated, and who would carefully ciety, the propriety of ascertaining, by experiment to Lavoisier, constitutes 64 per cent of sugar. For rack off the liquor at the completion of the vinous and analysis, the comparative value of our cider fine cider, he recommends, that the fruit be ground fermentation. and pressed imperfectly, and that the pulp be then and once or twice turned, to facilitate the absorp- and quality of the fruit and the state of the wea tion of oxygen; that it be then ground again, and ther The juice of unripe fruit, if the weather be the expressed juice be added to it before repress- warm, will begin to ferment in a few hours after it ing. In straining the must, too much care cannot passes from the press; and seldom stops at the vin be taken to exclude the pulp, as its presence is apt ous stage. The inice of ripe fruit, when the temto render the fermentation too violent, and drive it perature is lower, does not begin to ferment under a into the acetous stage. A hair sieve, filled partly werk or fortnight, or longer, often continues slowly

too rapid fermentation, by which much of the spirit tion will be rapid and short, in an inverse ratio to passes off with the disengaged carbonic acid gas, and the proportion which the saccharine matter bears Messrs. Matthew Carey & Son, of Philadelphia, the acctous or vinegar fermentation begins at 77°. This will show the importance of conducting the quor will be rich, high flavoured and durable, in orchards and cider, and have described and delivinous fermentation under a proper temperature, proportion as the sugar and astringency prepondewhich is from 50 to 70° of Fah. To show the cherrate in the must. mical effect of the vinous fermentation, it will be proper to repeat that the unfermented juice, or must, These are, supposing the previous contingencies to of the apple, consists of saccharine matter or sugar, have been favourable, a careful separation of the water. The sugar becomes the basis, or spirit, of eilage. the fermented liquor; the spirit, after vinous fermentation, and the taunin, or astringent matter, preserve ing off the liquor from the scum and sediment-at it from the acctous fermentation, if the vegetable the termination of the vinous fermentation. This mucilage, or yeast, is separated when it has perform- period may be known by the cracking of the froth ed its office. This vegetable mucilage acts upon the in an open cask, or, if in a close one, by the applica-saccharine matter in a manner analogous to yeast tion of the nose or ear to the bung bale. If the upon the wort of the brewer-it causes fermenta-fermentation has not ceased, a hissing will be appation, and converts sugar into spirits-by its giving rent, and the gas given off will give a pungent senoff carbonic acid gas, and imbibing hydrogen; the sation to the nose. If the liquor is not sufficiently fiquor becomes clear, and part of the mucilage rises clear, or indications appear of the acetous fermen to the surface with the disengaged air, in the form tation having commenced, the cider should be rackbeavier impurities, to the bottom, in the form of sediment or lees. This is the critical period. The peated, if found necessary; but it should be performliquor may now be drawn off clear. If left longer, the ed in clear, cold weather. After the first racking,

of hydrogen enters into the composition of ardent spirits, and of oxygen into vinegar. The same agent, vegetable mueilage, which converts the sugar of the soluble the remaining leaven. If the fruit is good, apple into spirits, will convert the spirits into vinegar, under a proper temperature, and aided by the oxygen of the atmosphere. The process of making the subsequent operations will be superseded. vinegar is greatly accelerated by exposing cider or wine to the atmosphere, the oxygen of which it im bibes, and which is termed by chemists the great derstand; yet considering it, as I do, of great im-

The vinous fermentation commences and termi exposed twenty four hours to the air, being spread, nates at different periods, according to the condition indigeneous or hardy grapes, best adapted for Amewith straw, answers the purpose well. The unil through the winter, and when made from some of which most effectually reduces the pulp is to be the finer cider apples, is not completed under six or preferred It has been remarked with much force, nine months. Indeed, in some cases the liquor does that cider mills should, like school houses, be limit-not become clear under a year, and the sugar is not ed to one in a district. In this way it would be an wholly decomposed under two years: for the whole object with the owner to render his implements of the sugar is seldom decomposed during the first complete, and to conduct the process with care and sensible fermentation. Knight considers cider at skill And as the value of the cider depends so much two years old as in the best state for bottling. For upon its being well made, it is believed the owners until the sugar is decomposed, fermentation insen of fruit, as well as the purchasers of the eider, would sibly goes on, and the strength of the liquor increas be benefitted by such an arrangement. 5. Vinous fermentation. This is commonly called working It commences at the temperature of 59° and when it is completed, the wines are said to be ripe, and are in their highest state of perfection. Temperature being the same, I the subject. It proceed to answer your queries as the temperature induces a think it may be assumed as a rule, that fermentation I condensed manner; and for more full information I to the mucilage and water; and that the vinous li-

6. Precautions to prevent acctous fermentation .vegetable mucilage or extract; astringency or tan- vinous liquor from the froth and lees-a cool tempe nin; malic, and a small matter of gallic acid, the rature-racking and fining-and artificial means to principle of flavour, tinging or colouring matter, and destroy the fermenting quality of the remaining mu-

I have already suggested the importance of draw-

merit as a cider fruit. I have then returned the ex-certained by the experiments of Lavoisier, are the or vegetable leaven. This may be done by what is putting a drachm or two of the sulphite of potash into each cask, which will precipitate and render inand properly ground, and the cider racked from the fermenting easks at a proper time, most or all of

> I fear. Mr. Editor, I have been too prolix upon a subject which almost every farmer professes to unportance to the community at large, I cannot close fruit, and of awarding premiums, not only for the discovery of the best kinds of cider apples, but for rican wines J. BUEL.

Albany, Feb. 26, 1827.

letters on various branches of American Husbandry, being part of the unpublished agricultural correspondence of G. W. Jeffrys. of North Carolinacommunicated for publication in the American Farmer by request of the Editor.

ON FRIJIT TREES.

Burlington, June 12, 1817.

I have been favoured with a letter from you of the 29th May, requesting some information on the ciltivation of apple orchards and other kinds of fuit trees. It has ever been an object particularly itteresting to me, as a source of rational and pleasing occupation-and I have been gratified by the inprovements which have been progressing rapidly wherein I have treated at large the subject of fruit, neated by engravings of the full size and natural formation about 200 kinds of fruits cultivated in

1. The sail best adapted for an orehard is a loam or loamy ela; but any soil which will produce good wheat and red clover, will answer, a wet subsoil or

quicksand excepted.

2. Nurseries are best situated when on soils of the foregoing description. The apple seeds from the pumace of the latest ciders are scattered on ground previously vell cultivated and cleaned from the seeds of weeds; then covered and neatly raked. They remain during the winter in this state. The next season they are thinned and weeded. following fall or spring, they are planted in rows four feet apart, one foot distant; well ploughed and harrowed to promote their growth They are innoculated the next autumn, or engrafted the next spring if the growth be vigorous; if not they must remain a year longer. The buds are inserted about to the surface with the distingaged at, it to the form of froth, and the residue is precipitated, with the ed into clean, strong casks, and fined with isinglass, two inches from the ground, and the grafts may be heavier impurities, to the bottom, in the form of see leggs or skimmed wilk. This operation may be reby a hoe for this purpose, and then returned so as to cover the fissure and lower ends of the scions, feculent matter, or froth, by parting with the gas, the easks should be kept bung d close, and further which renders it buoyant, soon settles and mixes rackings be avoided, if possible, as every racking with the liquor, renders it turbid, and as soon as the reduces its strength, and much of the spirit escapes nursery, and also of an orchard, the trees grow in temperature attains a proper height, causes a new with the earbonic acid gas which is evolved in the proportion to the frequency and perfection of their fermentation. This will explain the reason why ciders become harsh and sour on the approach of warm besides, increases the vinegar fermentation. But if it well managed, and when planted in good ground, weather in the spring. The elementary principles these methods fail, resort may be had to the means they will be large enough to plant out. Their stems of sugar, ardent spirits and vinegar, it has been as of impeding the natural operation of the mucilage, should be from one to two inches in diameter, a

ruary, from the last year's growth of healthy bear-particularly attended to this mode in the cultivation ing trees, and kept till wanted on a cellar floor, or ut the Virginia, or Hewes' crab, of which I have the lower ends buried in cold situations to retard the about 1300 trees on 50 acres. The small size of flow of sap. Trees of more than two inches diame- this apple is much improved, and its disposition to ter, are best engrafted in the limbs; whether en-hang on the tree is increased by manure and cultigrafted in the nursery or orchard, must depend on vation. I have forwarded a catalogue of the fruits 7th. Is a halved Roller, by means of a round bar of

to be protected from cattle

two inches lower than their growth in the nursery great extent of the establishment, and from the is best. My rule is to dig two spits deep, a hole large enough to hold the spade horizontally laid At thirty feet, forty-eight trees will stand on an from whence I have imported, and am now culti acre; thirty-five trees at thirty five feet; twentyseven at forty feet, and only eighteen at fifty feet. I have 144 acres planted with 4000 apple trees, the same kinds. Those coltivated for the Philadel-with these several distances, from seven to twenty-two years old. Probably forty feet is a good melation from the finer European kinds, of which dium distance.

4. Mnd from meadows on sandy soils; marl on ported. use to a great extent. In general, the better the farming and the richer the ground, the more will trees grow. Fallow crops of all kinds, viz: Indian tural black mazard and from the morello, will procorn, potatocs, pumpkins, &c are preferable to culmiferous grains. Buckwheat is a good crop; grass rieties of the heart, duke and other imported kinds, only is injurious in proportion as it prevents culti vation, and hinders the beneficent effects of light, heat and moisture to the roots, which grow best cher ies resembling the parent stock. The same

direction.

5. Our climate does not require such siose pruning as the cold and moist one of England. I, how ever, trim closer than my neighbours. Branches ing, when we are desirous of possessing any parti should never cross each other; they should extend cular kinds. as equally as possible from the centre, in increasing The lower limbs should be so high as to remit the ment, horses and ploughman to pass under them. This opens the ground and its products to the rays of the sun. Trees should be carefully kept free from suckers from both the roots and brarches

6. Moss is best destroyed by scraping in damp weather; whitewash is highly useful; but the best preventive is good cultivation and rich ground, Caterpillars are easily destroyed in the morning and evening, when in their youthful stages, and in wet weather; at all which times they remain in their nests. I know little of the canker. I have, in the few instances in which I have observed it. found the best core was to dig up the tree and re-

place it with another

7. In light soils, fall planting is equally good with that of s. ring. It is a season also of leisure. I that of s. ring. It is a season also of leisure. I have used both modes, as suited my convenience 3d. A heavy triangle Harrow, made in halves, with and the cultivation of my grounds, with little dif-ference in the success of the operation. A crop of Indian corn, or any other fallow crop, is a good preparation -the previous loosening the soil by cultivation facilitates the operation of planting light grounds, I generally throw the second spit some distance from the tree, supplying its place by the superior surface earth. Most frequently I plant in the fall; immediately after, and through the whole of the winter, I cast rich ditch bank earth or meadow mud, several loads around each tree, spreading it when ameliorated by the frost five, six or seven feet from the tree, according to its richness and quantity. On one farm I have used 5000 loads of mud around 1300 trees, on 40 acres of ground on a light sandy loam. The growth of the trees and the

foot from the ground. Scions should be cut in Feb size of the fruit is thereby much promoted. I have 6th. A Cart, the wheels 2 feet 2 inches diameter, convenience alone, provided they are high enough raised in this neighbourhood. That of 1810, was the collection owned by me, and cultivated by Mr. 3. Trees should never be planted deep. One or Daniel Smith. I found it a losing concern from the

I hope to make up a very heavy loss by my orchdown. The best earth should be laid round the ards, which are in the highest state of vigour and roots. Rich earth, or ameliorated ditch bank, is perfection, on the banks of the Delaware. I have better than dung, which attracts ground mice, and about 150 varieties of the apple, selected according is liable to be affected by the dry weather of our to their quality-two thirds for cider, and one third summers. 1 prefer surface manuring to any other for the table, for the Philadelphia market. I have mode of applying dung-pluughing it in-from fifty obtained almost every valuable kind that I know of, to thirty feet is the distance I adopt, according to foreign or native. The apples of our own country the soil and natural size of the trees when full grown are unquestionably superior to those of Europe, vating, most of the apples of high reputation.

Peach stones from natural fruit, usually produce many exquisitely flavoured varieties have been im-These will produce fruit of a quality much all soils, and barn yard manure on all soils; ashes I improved, compared with the common peaches of duce the same kinds; but as all the numerous va are raised by innoculation or engrafting on the first mentioned two kinds, their stones will produce when extended as much as possible in a horizonial remark applies to all stone fruits. Of the apple and pear, the seeds can never be relied on to produce any specific kind, whether natural or engrafted. We always resort to innoculation or engraft-

I am, sir, respectfully, and with my best wishes distances, to admit light, heat and air to every part. for your success in your landable plan of improve-Your obed't serv't,

WM. COXE.

MR. G. W. JEFFRYS.

IMPLEMENTS OF HUSBANDRY.

Hartford, Conn., Sept. 19, 1818.

What time I could spare the last season from improving, planning and laying out my farm, has been mostly devoted to improvements in the implements of husbandry. I have now in successful operation,

1st. The Jointed Harrow, square form, taken from the Domestic Encyclopædia, vol. 3, p. 252.

2d. A Cut Harrow, or kind of scarifier, short teeth

a joini in the centre; the best implement on new lands which are encombered with stubs, rocts or stones, I ever saw, as the elasticity of

the joints will prevent it from catching.
4th. A two-furrow Plough, which is made by the yoking two common pleughs, and with which I have ploughed at the rate of an acre in 91 mi can be found for light lands, crossing fallows and ploughing in seed, &c.

5th. The Horse Hoe, a very valuable implement, to be had at the Agricultural Repository in New York, price \$20-but you must be particular, build the defective parts.

and I foot thick; the body 5 ft. 6 in. squarethe use confined to the farm, and it adds greatly to the facility of removing earths, manures, stones, &c.; runs much easier in soft ground. and does no injury.

iron being passed through the centre for an axle; the roll is then sawed in two. Its great use is in pulverizing stiff soils, and its preference over the common roll is in turning without scooping out a hole in the ground.

I fear I have written too much, without being any way able to benefit you, or those with whom you are so laudably engaged; but I cannot close without protesting against the universal waste of manure, the stamina of agriculture; instead of which. the offal of the house, the barn and field, should all be collected and secured for compost; and the deficiency should be supplied by green crops turned in, either clover, oats or buckwheat.

I shall be glad to learn, from time to time, the result of your experiments and improvements, and shall have no hesitation in communicating such as

come to my knowledge.

I am, with much respect, Your obed't serv't, DAVID PORTER.

G. W. JEFFRYS, Esq.

NOTICES OF PERNICIOUS AND UNPRO-FITABLE PLANTS,

Which infest the Farms in Chester county, Penn. (Continued from page 403.)

No. 3.

PENTANDRIA. -- MONOGYNIA.

Solanum nigrum Night-shade.

A worthless weed, frequent about yards, gardens, in orchards, &c., but rarely extending over the farm, and not difficult to keep in subjection.

Solanum Carolinense. Horse-nettle.

night-shade.

This plant has been introduced from the southern states, and has latterly got possession of the ground in several localities. It is an obnoxious weed, its prickles preventing cattle from feeding among it; and as its roots are perennial and very tenacious of life, it promises to be troublesome to the farmers, if they do not carefully guard against its progress.

Campanula amplexicaulis. Clasping bell-flower. A plant of no value, and abounding in cultivated grounds, particularly in wheat fields; but it is not so injurious as to attract much attention.

PENTANDRIA. - DIGYNIA.

Cuscuta Europæa. Flax-vine. Dodder. Devil's

This singular, parasitic plant, has been introduclike coulters, pointing backwards, for cutting ed from Europe, and frequently appears among our turf on land you would not willingly break flax crops in such quantities as to be highly pernicious, twining round it, and entangling it, so as to destroy the value of large patches. Care in the selection of seed, is, perhaps, the only way to guard against the evil. The American species of this plant, though very common, it is believed never interferes with, or injures any valuable crop.

Daucus barota. Wild carrot.

A foreigner, but abundantly naturalized; and a very troublesome, worthless plant to the farmer. nutes, with two yoke of oxen; as fine a tool as Many farms are over run with it, and some neglected old fields almost monopolized by it. The umbels of seeds are often dispersed far and wide on the top of the snow, in the winter season, by the winds; and thus the product of one neglected farm may annoy a whole neighbourhood. Nothing but for although the principle is good, the work the united exertions of the agricultural community and iron of mine was not good, and I had to re- can effectually subdue this pest. Being a biennial, however, it may be conquered by vigilance and perseverance; but it must be rooted out, for it is a true vegetable hydra, and cutting it off only gives rise to a multiplication of heads.

Pastinaca rigida, Torrey. Water parsnip. Cow-

This plant occurs, occasionally, in our swampy meadow grounds and along rivulets; and is not only worthless, but it is said to be poisonous to borned cattle, when caten by them. It is, however, easily paper. extirpated.

Cicuta maculata. Wild parsnip. Water hem-

lock. Spotted cow-bane.

along ditches, &c. It is an active poison; and chil from what it would have produced, had it been mable man and eminent physician, the late Dr. dren have been destroyed by eating the roots, in mistake, for those of the sweet cicily. It may readily be kept down, which neat farmers are careful ting, to grafting it on other stocks. to do.

foot.

A troublesome weed in gardens, farm yards, &c. requiring constant care to keep it in subjection. It boil the young plants; and serve them up at table under the name of "greens."

PENTANDRIA.—TRIGYNIA.

Sambucus canadensis. Elder bush.

This is a troublesome plant to the farmer, the ed with great care and perseverance.

Rhus glabrum. Common sumach. Smooth su-

This shrub, also, inclines to form thickets along fences, and to encroach on the fields, especially in poor land; but it may easily be kept down-and, in fact, is rarely permitted to get a head, except by the most unthrifty and slovenly farmers, Rhus radicums. Poison vine.

This plant does not interfere much with the grounds or crops of the farmer, being mostly confined to fences, stumps, or bodies of trees; but it is generally destroyed, when it appears, on account of its poisonous effects upon many persons.

(To be continued.)

ANSWER TO CERTAIN INQUIRIES.

Wilmington, March 5, 1827. MR. SKINNER,

I give you the following answers to some of the queries of J. B., inserted in the 8th vol. American Farmer, p 380.

If none more satisfactory are handed you, you can publish them if you please.

To the 1st query.

Goats require but little care or attention. The kids ought to be kept apart from other animals until they are ten or fifteen days old; after which, they may safely run at large.

The goats require a shelter from rains. In our warm climate they will thrive well in the woods, requiring no other food than they themselves can pick up, except in winter, when they ought to have a very small quantity of grain. They will eat any

vegetable
They will be completely prevented from climbing, by paring the bottoms and edges of their hoofs once or twice a year, and become as harmless as

sheep.

The best time for castrating them, is in mild weather, either in the spring or fall, and may be done at any age under twelve months. The operation is very simple and safe: cut off the lower extremity of the scrotum; let the testicles pass through the orifice, and cut them off about one-fourth of an inch above the testicle.

To the 2d query-

in mild weather in spring or fall.

The most favourable age for the animal from four to eight months, depending on its growth

There are two methods of performing the operation: one, in the side; the other, in the belly. prefer the latter, because the blood passes off through the orifice. As to the minutiæ of the operation, it can be better learned by five minutes' ob the pleasure to furnish you with the following hisservation in seeing it, than described on a sheet of tory of the wine which I have prepared for some

To the 4th query-

This is pretty frequent in swampy meadows and as the original tree; and will not differ in its fruit when I was favoured with the company of that estigrafted on another stock. Some experienced orch-ardists prefer raising the horse apple, from the cut-nal qualities, which he highly extolled, and express-

To the 5th query-

is not altogether useless, as housewives sometimes situation, is more durable than any other. I have tioners with more fruit than they wanted. For the seen them perfectly sound, when, from circum-demand being uncertain, and as the article would stances, it was supposed they had been standing seldom retain its virtues more that one year, three more than fifty years.

without rotting.

twenty to thirty years.

Yours.

[How much would the utility of this medium for interchange of information be augmented, if all farmers would follow the example of our correspondents, friend Kersey, who will appear in our next, and the writer of the above, who is, to us, unknown. They manifest a spirit that should always prevail amongst those who follow a calling that seems, of itself, to generate frank and liberal dispositions.]

PROFIT OF MERINO WOOL HUSBANDRY. MR. SKINNER. Steubenville, March 8, 1827.

Your correspondents have, in some instances, given you flattering accounts of sheep shearing, and the sales of their fleeces. I beg leave to state, that Adam Hildenbrand, a faithful man in my employ, wintered ten Merino rams, the fleeces of which yielded, at my sheep shearing in June, 1825, 75 lbs. of wool, which I sold at 80 cents per lb. This was an average of six dollars per fleece. Belivar, the prize ram, who achieved the silver cup at the late Maryland cattle show, was among the ten, and stands now unrivalled, take him all in all, by any Merino or Saxony ram in the United States. fine animal is now the property of Messrs. Dike & Duncan, of Ohio, to whom I sold him some time ago, with a number of the purest and finest Merino ewes. Those gentlemen have commenced the business of sheep husbandry with great spirit, in Starke county, Chio; and from their advantages in point of soil and situation, and their unremitted attention, I am led to believe, and I take great pleasure in saying so, that they will, in a few years, have one of the finest flocks in the county.

I am, very truly and respectfully, Your friend and obed't serv't W. R. DICKINSON.

[* For this uncommonly fine ram, which at our last To the 2d query—
The most favourable season for spaying hogs, is in the selection of American growth, and proves that with care in the selection of breeders, the western country may mild weather in spring or fall.

It may be proper to add, that besides the water necessary, this wine contains not a rival in fine woolled sheep any part of the globe.—Eo.]

HORTICULTURE.

(From the Boston Medical Intelligencer.) BLACK CURRANT WINE.

Mr. Editor,-Agreeably to your request, I have time past from the officinal black current. About twenty years ago I cultivated a few plants only, for The twig of an apple tree which has taken root the purpose of making a jelly or preserve for family and grown to maturity, will produce the same fruit use; and some of it happening to be on the table ed a strong desire that the confectioners in Boston It is, however, said by them, that other apple should be supplied with the fruit, observing that the Chenopodium album. Lamb's-quarters. Goose-trees are not so durable when raised from cuttings. Faculty would often prescribe the Jelly or Rob if it could be procured. In consequence of his suggestions, I was induced to increase the plantation, and A fat lightwood post charred, in an ordinarily dry in a few years was enabled to supply the confecor four bushels only could be annually disposed of. In situations exposed to continual wet and mois. About this time I met with an ILERBAL, written by ture, no wood can be more durable than the heart the late celebrated Dr. Heberden, of London; in of black cypress. There are many facts which in- which, after describing the species or varieties of roots being very tenacions of life, and spreading duce a benef, that a black cypress log will lie on a currants, he states that the medicinal properties of rapidly along fences and field sides, unless extirpation constantly moist, more than an hundred years wine made from the red or white currant, are much superior to those of wine from the grape, as it may A post of the heart of post-oak, will last from be administered in many cases of fever, where the latter would be too heating. No mention was made of wine from the black current, but the doctor remarks, that "a Jelly or Rob from this fruit was considered almost a specific for sore throat, and highly efficacious when exhibited with barley water and other beverage, in fevers, particularly in the low stages of the typhus." The idea then occurred, that I could not do better with my black currants than to manufacture them into wine, as I felt confident that it might be made to possess all the mild stimulating qualities of the other kinds of currant wine, combined with the more valuable astringent and detargent properties so conspicuous in the jelly. It would be as convenient to administer, - and, what was of great importance, not liable to deteriorate by age. Accordingly, I commenced operations, with no small portion of enthusiasm; and notwithstanding a complete failure in all my experiments for four years in succession, with considerable loss of time and money, I persevered till a wine was produced which equaled my most sanguine expecta-tions, and which I ventured to exhibit to most of the principal physicians in Boston, several of whom immediately began to prescribe it, and have continued the practice, as have others also in the vicinity, for eight or nine years Being desirous to test its capacity to withstand a hot climate, a parcel was shipped to Savannah, where it remained in a store on the bluff two summers, and was returned perfectly sound and much improved.

Some years since I was unable, one season, to inspect the process, and though the person employed received very particular directions, the quality proved inferior, and the reputation of the wine may have suffered in consequence. But I have of late introduced important improvements in the preparation; and that which is now exhibited will, I trust, be found to be superior to any before produced. But to arrive at this result, it has demanded minute personal attention in every stage of the process—from the cultivation of the plants till the wine is fit for the bottle; and its remaining previously for a peeattle show took Mr Rebello's premium, offered for the sheep, yielding on the ground, the greatest weight of picklock wood, Messrs. Dike & Duncan gave \$100. He site to bring it to that state of perfection of which

of the process when it appears to return to its ori ginal vinous state, and is of course completely in corporated.

I am, dear sir, truly yours, SAMUEL WYLLYS POMEROY.

Brighton, March 5, 1827.

Remarks on the abuve by the Editor, Dr. Coffin. a physician of highly respectable standing in Boston.-Ed. Am. FARM.]

We are glad to see and to publish this account of the Black Currant Wine, because we have been acquainted with its character and effects for several years, and think so well of it that we wish every body else to know it as well, and to estimate it as highly as we do. So far as we can trust our own experience and observation, we deem this wine more truly cordial and medicinal than any which we have seen used by invalids and convalescents. It has all the good properties of the best Port, without any of its heating or constipating effects. could name several instances wherein great debili ty and exhaustion after protracted and severe fever, and from other causes, nothing else could be thought of or taken with pleasure or advantage, in which this wine proved grateful to the palate, and most friendly to the stomach; in which, indeed, it was the principal means of conducting the patient to health and strength.

Its exhibition has been attended with remarkable success in the early stages of cholera and dysentery; and again also in the later stages of these diseases, after the symptoms of inflammation or febrile excitement had ceased. It has been strikingly remedial in the low states of typhoid and bilious fever. The late Captain Gilchrist, who for several years followed the Batavia trade, and who had always suffered an attack of the severe cholera, which proves so destructive of human life in that climate, used to say that after he had this wine with him. and took two glasses of it every morning, he escap ed the disease. On one voyage, his mate, who had not taken the wine, was seized with this complaint, when a bottle or two stopped its further progress. We have not room to enumerate many other mor bid affections in which this wine has proved useful. In sore throat it has, for many years, been consid-

ered almost a specific remedy.

ON THE DISEASES OF PEACH TREES.

Hanborough, Illinois, Feb. 4, 1827. I am induced to address to you the following ob-

ther experiments.

the eastern side of the Alleghany mountains, and is early in December, in the other in January; periods singularly luxuriant; yet, from a cause I am led to when the buds must have been entirely in a dorfrom not appearing to have attracted the notice of time, was clear and dry. your correspondents, it may almost be considered uscless.

observing that fine luxuriant trees of full size pro and being rendered more tender, were afterwards for your notice, I will inform you of the result.

gratifying to the lovers of good fruit to learn, that destroyed by a degree of cold which would not lise eight years ince I became a resident of this a new seedling Spitzenbergh, in Ulster county, pro-

ing much later in putting forth its blossoms. I trans- borne fruit, but only a full crop in one. Some seaplanted a number of the young trees from the sons they are destroyed in all situations; in others, woods into my garden, and innoculated them two the buds are killed entirely in low grounds, partially, or three inches from the ground, with several varie- and near the bottom of the tree, on higher lands, ties of the peach; expecting I should thus prevent the sap from rising so early as to endanger the When an orchard is planted on the side of a hill, safety of the buds: but, to my surprise, they have you can almost determine the exact line of frost, at continued to put forth exactly at the same period the time of blooming. with those innuculated on peach stocks, and others raised from the stones; and their buds have been J. S. SKINNER, Esq. destroyed in like manner.

I afterwards met, in an English magazine, with the account of an experiment made in the north of France, which completely satisfied me as to the MR. W. PRINCE, cause of my failure. I would quote it literally, but as I cannot, unfortunately, now lay my hand upon

the book, I must trust to memory.

A pot, containing a rose bush having two long branches, was taken during a severe frost, which cuntinued during the greater part of the time occupied by the experiment, and placed in front of a hot house. The ball of earth in the pot was frozen solid. One branch was drawn into the house, and the opening through which it was intruduced carefully luted. Being subjected to a heat of about 80° of Fahrenheit, it gradually expanded its leaves and even bloomed, while the branch without remained inert.

The practice which is now most approved in England for the management of the grape vine in forcing houses, seems to confirm the result of this the house, near the front; is then introduced into fruit, we have ground to expect the finest pears. it, and trained upward near the glass roof.

The conclusion seems irresistible, that the sap remaining in the branches is sufficient to throw forth the leaves and blossoms; and that the action of the atmosphere upon the branches alone is sufficient to produce this effect. The tree must afterwards, doubtless, depend upon its roots for nourishment.

Admitting this conclusion to be just, the idea of rendering forcign vines sufficiently hardy for our uncertain climate, by grafting them on native varieties, is fallacious; as well as many other suggestions for retarding the bloom of fruit trees, to prevent its destruction by the late spring frosts, by covering the ground about them with straw, refuse of flax, &c. which have been made in many publications in the United States.

Being thus baffled in my first attempt to ascertain whether my impressions, as to the cause of the destruction of the buds, were correct or otherwise, servations on the peach tree, in the hope, that by attracting the attention of practical horticulturists, every day, carefully noticing the state of the weatideas may be elicited which will give a lead to further: the result of these observations has satisfied me that it takes place, in a greater or less degree, Although this tree is not subject, in our district whenever the thermometer of Fahrenheit sinks of country, to the diseases which prove so fatal on more than 7° below zero. One year it happened suppose does not operate in the vicinity of the sea, mant state. In both seasons the atmosphere, at the

In November last, I pressed to the ground a few of the lung trailing branches of a peach tree, plant Caswell, Esq., in his garden at Saccombe park, My attention was first directed to this subject, by ed in a low situation, and fastened them with fork-Hertfordshire." ed sticks. I then covered them with a small quan-

per cent of brandy, which is introduced at a stage otherwise have affected them. The wild plum be country. In three of those, our peach trees have while those on the highest hills escape entirely.

> With much respect, your obed't serv't, GILBERT T. PELL.

PRINCE'S FRUIT TREES-VINES, &c.

Alabama, Dec. 2, 1826.

Sir,-With much pleasure I give you an account of the fruit trees, vines, &c. transmitted to me from your establishment last spring

The time they remained in the box in which they were originally packed was two months and seven days They were taken out as late as the 7th day of March, and planted without any unusual care.

Of the apples, you forwarded twenty four kinds-I lost one tree.

Of grapes, I received nine kinds-I lost one from accident.

Soft shell almonds, grew equal to any peach trees in the country-lost none.

Peuches-lost none; they grow admirably.

Figs-lost none; the same remark may be made of them.

The fine Virgalien and St. Germain pears grow experiment. The vine is planted on the outside of well. If the growth of the tree is any promise of

> The extraordinary growth of fruit trees cultivated in this section of the United States, is generally known. The growth of the apple trees from your establishment, I found equal to the trees of the country, (generally,) cultivated under similar eircumstances.

I shall forward you an order in a few days for some additional kinds of fruit,

I am, respectfully, your obed't serv't, JAMES MAGOFFIN.

P. S I expect you will receive several orders for the spring, from this state, for the wine grapes of Madeira, Bordeaux, Burgundy-the Tokay, Sweetwater, &c .- also, the silk mulberry, as the public attention is directing fast towards those objects, and which will shortly, I am persuaded, prove a part of the wealth of this state—it being admirably calculated, from soil and climate, to produce the finest wines and the best silk. J. M.

HORTICULTURAL ITEMS,

From Loudon's Gardeners' Magazine for 1826.

Among the new and remarkable varieties of fruit presented to the London Horticultural Society, we notice the following:

"Esopus Spitzenbergh apple, an American sort, requiring the protection of a wall; large, beautiful, and of an exquisite flavour. It is said to have originated in the neighbourhood of Albany. By Geo.

This apple, if I am rightly informed, was first duced no blossoms. The ensuing spring, the trees tity of dry asparagus tops, not because I preferred produced as a seedling, in the garden of the ancesbeing again covered with blossom buds, which they them to straw, but they were at hand. A few days tors of General Stephen Van Rensselaer, near this never fail to produce while in a growing state, I bi after the severe morning of the 27th December, city. It shows indications of having passed its mesected a bud from the point to the base; and found (when my thermometer stood at 7° below zero,) I ridian, as both the tree and fruit seem to have dethe embryo blossom changed from a light green, its examined the tree, and could not find a sound bud, teriorated. In some situations, however, particunatural colour, to a dark brown, and evidently except those on the covered branches, which were larly on the alluvious of the Mohawk, it still retains dead. As we generally have a fortnight of warm all safe. I shall allow them to continue covered, to its high reputation. And I think from calcareous weather the latter part of February, succeeded in March by severe cold, it was my first impression until all danger of injury by spring frosts is over. which are not so It has been the most esteemed that the buds were partially swelled by the warmth. If you deem this experiment sufficiently interesting dessert apple of our orchards; and it cannot but be mises to supply the place of the declining parent. ing from a severe bilious fever, my physician per Governor Johnson, with five of his brothers, served The fruit is rather more flat, and somewhat less mitted me to eat grapes and peaches. They convariety. I introduced it into my nursery in 1825.

Among the books presented to the same society, I notice several volumes of the American Farmer, and the Memoirs of the New York Board of Agri-

Action of poisons upon the vegetable kingdom.—M. T. Marut, of Geneva, has lately made some curious experiments upon the effects of poison upon the vegetable kingdom. By causing plants to grow in poisonous mixtures, or by introducing poisons into their system, it was found that the effect upor vegetation was nearly the same as upon the functions of animals. The experiments were generally made with plants of the kidney bean, and the comparison was always made with a plant watered with spring water .- Jour. Roy. Inst., Oct.

[We have two diseases, one of the plum and the other of the pear and apple, which I have long ascribed to animal poisons. That the canker of the plum and morello cherry is owing to more than an extravasation of the natur I sap, is evident from the fact, that the natural sa,, or prepared jnice, of stone fruit, becomes a vegetable oxyde, or gum, on coming in contact with the oxygen of the atmosphere; and also from another fact, of the trunk or branch from which it exudes. The canker of the plum, on the contrary, seems to unmight be disseminated in the sap, and produce ulti-

branch in the cambium, or the new forming concentric layer, than in either the bark or sap wood. culation or propulsion in the extremity. For it will be remembered, that sap must pass to the leaves,

grapes; that is, to subsist three weeks entirely on of great value. this fruit, without taking any other food or drink. In a few days a grape diet becomes agreeable, and great relief from subsisting on it for three or four ard's creek, is peither molested nor destroyed.

grapes" from personal experience. When recover- may land on the above property.

stituted almost my entire diet for weeks; and I ex- of the family, Roger Johnson, now living near

LADIES' DEPARTMENT.

(From the Saturday Evening Post.) MRS. JOHN Q. ADAMS.

Mrs. Adams, the wife of our present President, volutionary war, where he was established as a place he filled during fifteen years, in which time a large portion of his hard earned property was exanker of expenses when dead, a number of American sea-nething men; some of whom no doubt are living, and ean were blighted, by one of those calamities to which was a humble one, but that is certainly a useful one, liberties of so large a portion of the community, worse to her proud spirit, of having palmed herself that gum has only a slight tendency to putrefaction, whose rights are, or ought to be as dear to the nature of the most odious circumstanand but partially and seldom affects the health tion as those of any of its citizens. Joshua John-ces. God alone who knows all the secrets of the eight children, under the expectation of possessing her troubles. Her father sailed for America three dergo a rapid decomposition, is in a short time re- a handsome property. His hopes were blasted by or four weeks after her marriage, and in a short duced to an impalpable powder, and if left to its duced to an impalpable powder, and if left to its the treachery of his partners; and he was reduced time, sinking under affliction and ill health, she accurate course, soon poisons and destroys branch, to a state of the utmost distress. In this dreadful companied her husband to the Court of Prussia; trunk and root. This disease is not owing to cli- emergency, the late Mr Adams gave him the place where, during a four years' residence, in an almost mate, to soil nor to aspect: for where care is used of Superintendent of Stamps, which enabled him to uninterrupted state of ill health and suffering, she to cut off and burn the affected branch, the disease maintain his family; and their gratitude to the good was treated with very uncommon kindness by the is stopped; and where these precautions are omitted, old gentleman, who dared to do this charity against present King, and his late beautiful Queen it continues to increase. The experiments of M. the advice of his nearest friends, is as great as was Marut show, that an animal poison, injected into a his noble liberality. This office was taken from to prove a mark (not of assuroption) but of the intender branch, might cause tumors; that the poison Mr. Johnson about two or three weeks before he delible gratitude imprinted on the mind of a strandied, and he was again left destitute, with the horrible conviction that he left his widow and family I have read much that has been written on the gennyless, and dependant upon the charity of their of G. W. Adams, her eldest son, the situation of disease of the pear, but nothing that has been perfeetly satisfactory. The disease shows itself first whose extreme ill health rendered his exertions, in the extremity of the branches. The leaves and however meritorious, insufficient to provide for sent daily to inquire how she was, and to prevent bark become brown, then black, and the limb is them. Joshua Johnson was one of eleven children, her sufferings from being aggravated by the exerfound to be dead to its extreme point. Some have of a respectable and wealthy family from Calvert cising of the military, or the noise of carriages, gave found in sects in the bark, and in the pith of the affected branch. I have not been able to discover the eldest of whom, Thomas Johnson, was appoint-that nothing should disturb the quiet of her resiany, on critical examination. I therefore suspect ed by General Washington to the Supreme Court, that they are rather a consequence, than a cause, of who was offered the situation of Secretary of State, the disease. On examination, I found that the dark, and who was the first Governor of the state of Maor diseased colour, extended farther down the ryland after the acceptance of the constitution—

*The family estate is on the right bank ascending the I inferred from this fact, though I do not intend to ereek. It belonged to the Editor of this paper during Patuxent river, at the north entrance of St. Leonard's say that my inference is correct, that poison had been injected into the cambium through the bark, enemy, in pursuit of Barney's flotilla. The Editor was near the extremity of the limb, and had been ear then the agent for flags of truce and prisoners of war. ried down, by the descending sap, to the extent of and the medium through whom the intercourse was for the first time, parted with her husband, who the affected part; and that the vitiated sap and the held between the government and the commanders of went to Boston to visit his parents; while Mrs. disease had been stopped only by the want of cir the enemy's forces. This intercourse, and the inter-culation or propulsion in the extremity. For it will change of friendly offices connected with it, begot, as far as was consistent with the duties of the parties, a and be elaborated, before it can pass down between they learned that the property burned belonged to Mr. Grapes.—The physicians of Geneva send some of their patients to the Pays de Vand, during vintage, to take what is called a regular course of lowing words. The sheep were pure merinoes, then grands; there weeks extissive of the partial was subsequently furnished with a copy in the hand there is the point of their journey to the was subsequently furnished with a copy in the hand there is the point of their journey to the work withing of Admiral Sir George Cockburn in the following words. The sheep were pure merinoes, then yet desirous to see him. Mr. Johnson wishing to in-

H. M. Ship Albion, July 13, 1814. It is my directions that the out buildings, stock, and weak persons, and also the insane, have found great relief from subsisting on it for three or four smith's point, on the northern entrance of St. Leon-

[I can corroborate the value of "a course of To the commanding officer of any detachments which G. COCKBURN, R. Admiral.

perienced no injury, but essential benefit from their J. B. Fredericktown, Md. would also have served, but use.] was prevailed upon by his brothers to take charge of their families, in those "times that tried men's

Mrs. Adams is one of the eight children; seven of whom were daughters. She was born in London, received the early part of her education in France, at Nantz; and accompanied her parents to England after the war, in eighty-three, when she, is the daughter of the late Joshua Johnson, who with her sisters, was put to an English school, to married an English lady in London prior to the re- learn English, of which they could not speak a word. In London, she became acquainted with merchant, of the name of Nuth, and was appointed John Quincy Adams, and there was married to him, Consul at London by General Washington; which in the presence of her family Judge Thomas Adams, and Mr. Joseph Hall, late Sheriff of Boston-by the Rev. John Hewlett, at the church of All Hallows, pended in saving from impressment, from starva-tion, from sickness and suffering, and for funeral der the most propitious circumstances; but ere the testify to the fact. For these services Joshua John-the most honest and cautious merchants are liable, son never was remunerated by Congress. The office and she list the little property forever which she exhowever obscure, on which depends the lives and gar, with the appearance, of what was infinitely pected to bring to her husband, and became a begson returned to his native country with a family of heart, knows the truth, and in him she relied in all ger, who had no claims but those of humanity, her weeks throughout the time. The King and Queen dence. That lovely Queen is gone to sojourn among her sister angels, in a world of everlasting bliss.

Before Mrs. Adams was able to walk, she left Berlin, with her husband and infant, then seven weeks old; being carried to her travelling carriage in a chair, by her husband, and Mr. Thos. Welsh, his Secretary: and she could just walk alone when she went on board the America, commanded by Capt. Wills, at Hamburg. She arrived in Philadelphia on the 4th of September, 1801; and there, Adams with her infant, pursued her route to Washington, for the same purpose. Two little months she passed with, and literally in the bosom of her family, with that glow of affection which gladdens and ry desirous to see him. Mr. Johnson wishing to in-troduce his daughter to her relations, accompanied her, and on the road to Frederick he fell sick; and after eight days passed in painful anxiety, Mrs. Adams was obliged to proceed on her journey to Boston, where she arrived late in November, 1801. She never saw her father more! he died at Fredericktown, at his brother's, Col. Baker Johnson, in the April of the following year.

time she gave birth to three sons; John, born in consequence of the detention of her baggage, which prevented the State of Maryland from becoming Boston, 4th of July, 1803; one born in Washing-ton, June 22d, 1806, dead; and Charles Francis, the medium of the passport procured from the born in Boston, 18th August, 1809, Mrs. Adams French Minister at Berlin. The difficulties of the lows the same amount to the Susquehannah Canal, again accompanied her husband to St. Petersburg; journey were not a little increased by the general and authorizes an advance of twenty thousand dolalmost heart broken at leaving her two eldest sous excitement into which the country was thrown, by lars to the Chesapeake and Delaware Canal, behind; who, it was concluded by her husband and the return of Napoleon; the troops being all on their Maryland has, therefore, taken her stand their grand parents, must renew their education in march to join him, and not in the best state of mil-vour of internal improvement, and her policy will America. Her sister, the present Mrs. W L. itary discipline. But she arrived safe in Paris, remain unchanged for many years; during the term, Smith, went with her. Their residence in St. Pe where she was again placed under the protection of at all events, of the present Senate, who hold their tersburg was rendered painful by the news of the an affectionate husband, a woman's safest and best seats until September, 1831. loss of several of their nearest relations, and the sanctuary; who in consequence of the perfect quiet loss of Mrs. Adams' only daughter, who was born of Paris, was much surprised to hear of her "hair ling to use all the means in her power, to promote and buried in that inhospitable clime Here again breadth escapes." After a short sojourn in Paris, the happiness of her citizens and the welfare of the she was treated with every marked distinction and waiting for instructions, the family went to England, whole Union. kindness by the late Emperor Alexander, and the and Mrs. Adams was joined by her two children, Empress' mother of Russia; and here again this is where they resided two years, in a small but beauonly noted as a tribute of gratitude. Mr Adams tiful village ten miles from London, the expense of was ordered to Gottenburg to meet the Commis- an establishment in the metropolis rendering a resisioners, from whence he went to Ghent; deeming dence therein impossible. Mrs. Adams' health was it possible that he should be ordered back to Pe- such when she left England to return home, that tersburg if the Commission was unsuccessful, he her physician thought it necessary to inform her, ness, in 13 minutes, for 150 sovereigns, from Hounsthought it prudent to leave Mrs. Adams at St. Pe- that her life would be endangered by the voyage. low heath (opposite the Powder mills,) to Bedfont tersburg; and she remained there alone with her The prediction was nearly fulfilled; but after severe little son from July to February, 1814-15. Mr. and suffering she reached her home in America, where Mrs. Smith, and the young American girl who had she has resided until this time, in the city of Washgone out with her, having left Petersburg for Ameiica, Mr. Adams left it in April, 1814. It was while from his native country, should deprive his chilshe was left alone, that the Empress' mother, on all dren of the rights of citizenship, through the influ occasions, declared herself Mrs. Adams' protectrice. The war with America had cut off all communication, and the situation of Mrs. Adams was made more painful by the impossibility of hearing from ber children. She received an order from her husband to dis-

sharpers; a thing of course, when a wife is left by Pebruary, 1815, with two men servants, a French the medium of Mr. Harris, to make her journey was most kindly received. At Nerva, the Governor waited on her and informed her that apartments were prepared for her at his house, to which he gave her a most polite and urgent invitation. At Riga she was received in the same manner; and during four or five days which she passed there, the Governor insisted upon her dining with him and his lady every day; and made an entertainment ex pressly to introduce her to the first people in the place, to whom she was under the necessity of speaking German, a language with which she was but little acquainted, and which she spoke with great difficulty. Mrs. Adams completed her jour ney as far as Berlin, having met with no other accident than losing the fore-wheel of her carriage. In this city she was obliged to remain until two new wheels could be made, for which she waited eight days. There again she was most kindly received by her old friends. Again she proceeded on ber journey; and soon afterwards heard of the return of the Emperor Napoleon to France. At Frankfort on the Maine, her two men servants deserted her; and so great was the general consternation, the merchant to whom she had letters could only get a boy of fourteen to attend her, and with this servant she was obliged to be satisfied. Pursuing her course ject of internal improvement, has just passed the through the grand duchy of Baden, by the advice Senate. 'Affirmative. Messrs. Forrest, Heath, John of the merchant, as he did not think it would be san, Kennedy, Marriott, Nelson, Sewell-7. Ne safe to go to Magdeburg, Mrs. Adams accomplish-gative, Messrs. Dennis, Harrison, Reese, Whitelyand day, without accident or difficulty. At Stras sent.

by a boy. Some Kentuckians viewed him at my burg she procured a most discreet and excellent. This bill accords with the wishes of the Chesa-stable, since you were over, who were excellent

ington. Mr. Johnson, fearful lest his long absence gislative Assembly of Maryland, where their names stand recorded.

Mrs. Adams is a woman of unassuming manners, fond of reading, writing and knitting, and detesting politics, and in such general bad health, that she pose of their furniture, &c. and join him in Paris. seldom leaves her chamber; and during this winter In the sale of his property, she became the prey of has only done so at the drawing rooms to show her sense of the respect due to the public. The only her natural protector; and left St. Petershurg, after motive of the writer in publishing this piece, is to taking leave of the Empress' mother, on the 19th of refute, by a complete statement of facts, the preposterous fables which have appeared concerning the waiting maid, and her son Charles; only one of birth of this lady Having never before appeared these persons being known to her. Every thing in print, and possessing no ability for authorship, had been done by the Russian government through she is indifferent to criticism, and carcless of effect, so long as she has the happiness to show that Mrs. easy, and in all the towns where she stopped she Adams is the daughter of an American Republican Merchant.

INTERNAL IMPROVEMENT.

The Legislature of the state of Virginia has passed a law, confirming the charter of the Baltimore and Ohio Rail Road Company, with only these alterations: tst That the road shall not touch the Ohio river lower down than the mouth of Little Kanawha river; that the damages for property taken or used for the construction of the road, &c. shall be determined as such affairs are now effected by the laws of the Commonwealth of Virginia; that the penalty for injuring the road or property of the company, shall be the same as is inflicted for the same offence against the public works of Virginia; that is, the penitentiary. The bill passed both houses of the Legislature by an almost unanimous [Nat. Intel.

LEGISLATURE OF MARYLAND.

Annapolis, March 10, 1827. A bill from the House of Delegates, on the sub

After a residence of eight years in America, (in servant by the recommendation of the master of the peake and Ohio Canal Convention, and repeals the Boston and Washington, alternately) during which hotel, where she was obliged to remain one day in provisos in our internal improvement law, which

Maryland has, therefore, taken her stand in fa-

Maryland has shewn, that she is ready and wil-

SPORTING OLIO.

RIDE AND DRIVE.

Mr. Bullock's match, to drive three miles in harlane, a measured three miles; and a second match, for 100 sovs. that Mr. Field's American mare did not trot (saddle,) the three miles in 10 minutes, carrying feather weight, took place on Thursday, October 19. Mr. B. made both matches, and his groom rode saddle. The master drove as follows: ence of his friends, had them naturalized in the Le- The first mile in 4 min. 3 sec. (having once to back the wheels for breaking into a gallop;) the second, in 3 min. 35 sec.; and the third, in 3 min. 40 sec. winning the match tolerably easy .- 6 to 4 on time.

In the second match, the boy rode 7 st. 4 lb. and did as follows: First mile, 3 min. 9 sec.; second, 3 min. 12 sec.; and the third, leisurely, in 3 min. 30 seconds, winning by 9 seconds easily .- 2 to 1 on Annals of Sporting. the mare.

THE FARMOR.

BALTIMORE, FRIDAY, MARCH 16, 1827.

RINALDO. - Extract to the Editor from a gentleman, than whom there is no better judge in the state of Maryland. Rinaldo is now in Baltimoreno disposition has been made of him for the ensuing season. Proposals will be received, and the horse exhibited on application to the Editor of the American Farmer. He is by Sir Archy-a fine bay, and in all respects equal, in point of blood, to any horse in America or Europe.

Londonderry, near Easton, March 14, 1827.

DEAR SIR .- I received your letter last evening, and agreeably to your request, though with much reluctance, send you Rinaldo; the best borse in my opinion we have ever had on this shore; and I fear it will be long before we shall see, his like again among us. A press of business upon my hands, want of stablage and groom, made it impracticable for me at this time, to make arrangements for his accommodation; and I was not seconded by my brother farmers, with either zeal or liberality No horse can be better calculated than Rinaldo to propagate a progeny calculated to subserve all the useful purposes of man. He has the hardiness of constitution, strength and powers of the coach horse, with the activity, wind and fire of the English courser His blood throughout is unexceptionable, and that portion of it from Janus, invaluable.

He is a horse of fine temper. On the road bold and fearless. Nothing can intimidate him; and in ed her journey to Strasburg, still travelling night 4. Several schaoors, friendly to the bill, were ab- the stabte he is quet, peaceful, and easily governed

celebrated horse. I wish him every success; and at the public sale room, 1500 bales Uplands. have no doubt if he goes to Jersey, that many hundred dollars will go from this state to purchase some 83; Sea Island, 1s. to 1s. 7d.; Rice, Am. 18s to 22s. of his progeny at some lature period. EDWD, N. HAMBLETON.

25'The celebrated horse Sir Archie, about 22' or 23 years of age, stands to cover mares this season, in Northampton county, North Carolina, at 75 dollars a mare.

Contention, at New Market, near Petersburgh, at \$25 a mare. He is a colt of Sir Archie-his dam

by the imported horse Dare Devil.

ARAB, another son of Sir Archie, stands at Diamond Grove, Brunswick county, Virginia, at \$30.

35-Tobacco.—One hogshead Ohio tobacco sold graph, first line, should read, last week for \$33 per hundred—one at \$26, one at \$24, one at \$20. one at \$15. one at \$14-and three stayed, being in too high condition, at \$12.50 Not VALUABLE STOCK, AND FARMING UTEN much coming in. The expectation is 8000 from that state, of last year's growth. Little doing in Maryland tobacco; prices about the same as at our last report; low qualities have rather declined. The shipments from this port are said not to have turned, in this branch of business.

COMMERCIAL RECORD.

By the arrival of the ship Robert Fulton, Capt. Britton, at New York, we have received Liverpool

papers to the 9th, and London to the 7th February.

The London Morning Chronicle of the 7th says, the Portuguese affair having come to an end, commercial men appear to be again turning their attention to home politics, and the furtheoning proceedings in Parliament, with regard to the Corn laws, are anxiously looked for. There is not much doing are anxiously looked for. There is not much doing in the produce market, but business is far from bedien bedien the produce market, but business is far from bedien bedien the produce market, but business is far from bedien bedien the produce market, but business is far from bedien the produce market, but business is far from bedien the produce market, but business is far from bedien the produce market, but business is far from bedien the produce market, but business is far from bedien the produce market, but business is far from bedien the produce market, but business is far from bedien the produce market, but business is far from bedien the produce market, but business is far from bedien the produce market, but business is far from bedien the produce market, but business is far from bedien the produce market, but business is far from bedien the produce market, but business is far from bedien the produce market, but business is far from bedien the produce market, but business is far from bedien the produce market but business is far from bedien the produce market but business is far from bedien the produce market but business is far from bedien the produce market but business is far from bedien the produce market but business is far from bedien the produce market but business is far from bedien the produce market but business is far from bedien the produce market but business is far from bedien the produce market but business is far from bedien the produce market but business is far from bedien the produce market but business is far from bedien the produce market but business is far from bedien the produce market but business is far from bedien the produce market but business is far from bedien the produce market but business is far from bedien the produce market but business is far from bedien the produce market but business is far from bedien the produce market but business is far from bedien the business is far from bedien the business is far from bedien the business is far from bedien the business is far fr ing bad. Sugar was in good demand to-day. The nucertain state of the Corn laws has a bad effect thalf a dollar to the groom, upon the spirits' market. The oceasion of the adis the facility of extracting gas from turpentine. of some experiments of extracting oil.

Intelligence to the 19th January had been receiv-Portugal, who have been put down at almost every

point.

misunderstanding, there is to be a change in ministers, and that the Earl of Westmoreland and Mr. Robinson will retire.

Corn Laws.—The following circular has been issued to the members of the House of Commons from the Treasury: - "Immediate. Your attendance on the first of August. is most earnestly requested upon the resolutions respecting the corn laws, on Monday, the 19th of February, instead of Monday, the 12th, the day mentioned in the notice paper of the Honse of Commons."

The stud of the late Duke of York sold for 8000l. His famous horse Moses, sold for 1000l to the Duke 180,000l; his debts 300,000l.

Liverpool Cotton Market, Thursday, Feb. 8.

We have experienced a steady demand this week from the trade, and although there is no reduction Editorial items-Commercial Record.

judges, and pronounced him, in point of figure and in prices actually quoted, some very low sales have action, equal, if not superior, to any horse they had been made. The imports are light, being only 1030 ever seen, except Bertrand; and that his action in bales from America. The sales amount to 10,000 walking, was nearly equal, and much like, that bales. There will be offered at auction to morrow,

> Bowed, Georgia, 61 to 71; New Orleans, 74 to 6d; Flaxseed for crushing. 40s to 42s.; Turpentine, 11s. to 13s. 6d.; Rosin, 6s 9d. to 7s 3d.; Ashes, fresh pot, 28s. to 30s.; Montreal, 26s 6d.; American. 1st qual. Pearl, 27s. to 29s.; Montreal do. 26s. 6d. to

> ERRATA.-In No. 50, p. 394, the second paragraph of Dr. Muse's Address, should read thus:

> Before us, is presented this gratifying spectacle; a second exhibition of agricultural merit and energy the early fruits of our youthful institution; the cvi-dences of its utility; before us, with allowance for the limited existence of our society, are realized our most sanguine anticipations.

In the next column of the above Address, 7th para-

I shall offer an apology, &c.

SILS-FOR SALE,

On Tuesday next, 20th March.

Such an opportunity rarely occurs as will be pre sented on Tuesday next, the 20th March, for obtaining valuable domestic animals-especially Bak-well Sheep, of out so well as those from the Potomac. It is ex-the finest quality. The subscriber, having declined peeted that in a few weeks some "stir" will take place farming and tented his estate, will on that day sell all his Stock of domestic animals, consisting of about 60 Bakewell sheep, most of them Ewes that will then have lambs; Horses, breeding Mares and Colts; Hogs of the best breed; Cows, working Oxen; Farming Implements, &c &c.

The sale will take place on the farm, two miles from Port Penn, and sixteen miles from Freuch Town, Elk-

ton and Newcastle.

March 16. THOMAS BLANDY.

THE BEAUTIFUL THOROUGH BRED STALLION MARK ANTHONY,

with fifteen, on or before the first day of August next.

MARK ANTHONY is six years old this grass-sixteen vance in turpentine and the extensive speculations, hands high, a fine brown, and in point of beauty. symmetry of form and action, is not surpassed by any horse Rosin has advanced 15 to 20 per cent. on account in this country. He was got by Sir Archy, his dam, Rosin has advanced 25 extracting oil Rosin has advanced 25 extracting oil feit.) He was a son of old Diomed; his dam by Shark, ed at London, finrishing additional particulars of the operations of the royalists against the rebels, in Chanticleer, (old Wildair's best son,) Vanity, by Celer, (old Janus's best son,) grand dam by Mark Anthony, the best son of old Partner, (who himself was the best The British Traveller states, that it is currently of Morton's Traveller's get,) out of selima, by the Goreported in the city, that in consequence of some
dolphin Arabian—Jolly Roger, out of a Silver Eye—
which horse was imported, and the property of Samuel Du Val, Esq.

Pasturage will be provided for mares at fifty cents each week; care will be taken of them, but there will be no liability for accidents or escapes

Season to commence on the first of April, and end

March 16.

CONTENTS OF THIS NUMBER.

On the Manufacture of Cider, by J. Buel-Correspondence of G. W. Jeffrys, on Frunt Trees Implements of Husbandry -Notices of permicious and unprofitable Plants, continued-Answers to certain Inquiries-Proof Richmond. The total amount of his property is ht of Merino Wool Husbandry-Black Currant Wine-On the Diseases of Fruit Trees—Prince's Fruit Trees, Vines, &c.—Horticultural Items—Mrs. John Quincy Adams-Proceedings of the Legislatures of Virginia and Maryland, Internal Improvements-Ride and Drive-

PRICES CURRENT.

)	PRICES C	UR	REN	T.		
)	APTICING	1	WHOL	ESALE.	RES	FAIL.
,	ARTICLES.	per	from		from	
	BEEF, Baltimore Prime,	bbl.	8 00		-	
,	BACON, and Hams,	lb.	6		9	12
	BEES-WAX, Am. yellow	_	29	30		50
	COFFEE, Java,	-	16		20	
2	Havana	-	14	16		20
	COTTON, Louisiana, &c.	-	11	14		
,	Georgia Upland,	-	10	115		
	COTTON YARN, No. 10,	-	28			
	An advance of 1 cent each number to No. 18.					
c	CANDLES, Mould,	_	13	15	16	18
	Dipt	_	11	12		16
	CHEESE	_	S1/2	12	12	15
;	FEATHERS, Live,	_	29	30	37	
-	FISH, Herrings, Sus.	bb1.		2 50		
	Shad, trimmed,	-	5 50	6 00		
t	FLAXSEED,	bush	5 103	1		
	FLOUR, Superfine, city,	bb].		5 25 4 875		
	Fine,	_	5 00	1015	1	
	GUNPOWDER, Balti.	25 lb			5 50	
	GRAIN, Ind. corn, yellow	bush	50	52	30	
	white	-	50			
-	Wheat, Family Flour,		1 10	1 20		
1	do. Lawler, & Red,	_ 1	1 00	1 05		
1	do. Red, Susque	_	1 05	1 10		
	Rye,	-	70			
	Barley, Eastern	-	1 10	1 20		
	Do. country	hush	6 25		7 00	
1	Clover Seed, Ked Ruta Baga Seed,	bush lb.	87	0 00	7 00	
		bush	3 50		, 00	
	Mangel Wurtzel Seed,	-	1 25		1 50	
1	Timothy Seed,	- 1	3 875		4 00	
3	Oats,	-	45		50	
1	Beans, White,	-	1 33		2 00	
	HEMP, Russia, clean, . {	ton		255	}	
1	Do. Country	<u>`</u>	120	200	20	
1	HOPS, 1st sort, (1626)	lb	13	10	25	
1	HOGS' LARD,	13-	61	10	12	
1	LEAD, Pig	16.	7 등	s		
1	Bar LEATHER, Soal, best,		21	23	32	
-	MOLASSES, sugar-house	gal.		50		75
1	Havana, 1st qual		81	32	374	
	NAILS, 6a20d	lb.	61		9	
-	NAVAL STORES, Tar,	bhl.	1 50	1 621		
1	Pitch,	-	1 75	0.50		
1	Turpentine, Soft,		2 50 80	2 75	40	
1	OlL, Whale, common, .	gal.	70	32 75	40°	
1	Spermaceti, winter . PORL Baltimore Mess,	bb!	12 50	13	001	
	do Prime,	bh!	9 00		1	
1	PLASTER, cargo price,	ton.	3 25			
1	ground,	Bb1.	1 50			
1	RICE fresh,	lb.	S12	34	å	
-	SOAP Baltimore White,	1b.	12	14	18	20
1	Brown and yellow,	{	51	8	10	12
-	WHISKEY, tst proof, .	gal.	315		1 00	50
1	PEACH BRANDY, 4th pr	-	75 34	1 00	1 25	
-	APP' E BRANDY, 1st pr	l	13 00	35 13 50		15
1	SUGARS, Havana White, do. Brown,	c.lb.	10 00	10 50		
-	Louisiana,		7 75		10	11
-	Loaf,	lb.	19	22	20	22
1	SPICES, Cloves,	_	70		1 00	
1	Ginger, Ground,	_	7	12	12	16
1	Pepper,	-	16		25	
1	SALT, St. Ubes,	bush	55	60	75	
1	Liverpool ground	-	52		75	
1	SHOT, Balt. all sizes, .	clh.	8 50	3 00	3 50	Λ
1		gai.	2 50	1	3 50	2 00
1	do. Sicily,		1 10	1 !5	1 50	1 75
1	Port. first quality,	gal.	1 50	60	2 50	
1	WOOL, Merino, full bl'd	lb.	30	35)	121.
1	do. crossed,	_	20	22		h²d on rep¹s
	Common, Country,	_	18	2.2		& free
	Skinners' or Pulled,	- 1	201	25		tags.
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